

Illustrated Parts Catalogue







M0153: IPC 520 forced cooling all metal Revision No: 3 Date: 2020-12-01

| Engine Serial No. | : | |
|-------------------|---|--|
| | | |
| Aircraft type | : | |
| Model | • | |
| modet | • | |
| Serial No. | : | |
| | | |
| Registration | : | |

Please fill in your engine and aircraft details for further reference:

Introduction

Remarks

The illustrations in this Illustrated Parts Catalogue show the typical construction. They may not represent in full detail or the exact shape of the parts which have the same or similar function.

Modifications

All efforts are made to ensure the accuracy of this Illustrated Parts Catalogue at the time of publication. ULPower, however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on its products previously manufactured.

ULPower reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

Engine serial number

On all enquiries or spare parts orders, always indicate the engine serial number, as the manufacturer makes modifications to the engine for further development.

The engine serial number is located at the front left side of the crankcase (above oil filter).

Structure

Each section of this Illustrated Parts Catalogue starts with an exploded view or assembly drawing on the left side. The corresponding heading and the listing of the parts is on the right side and the following pages.

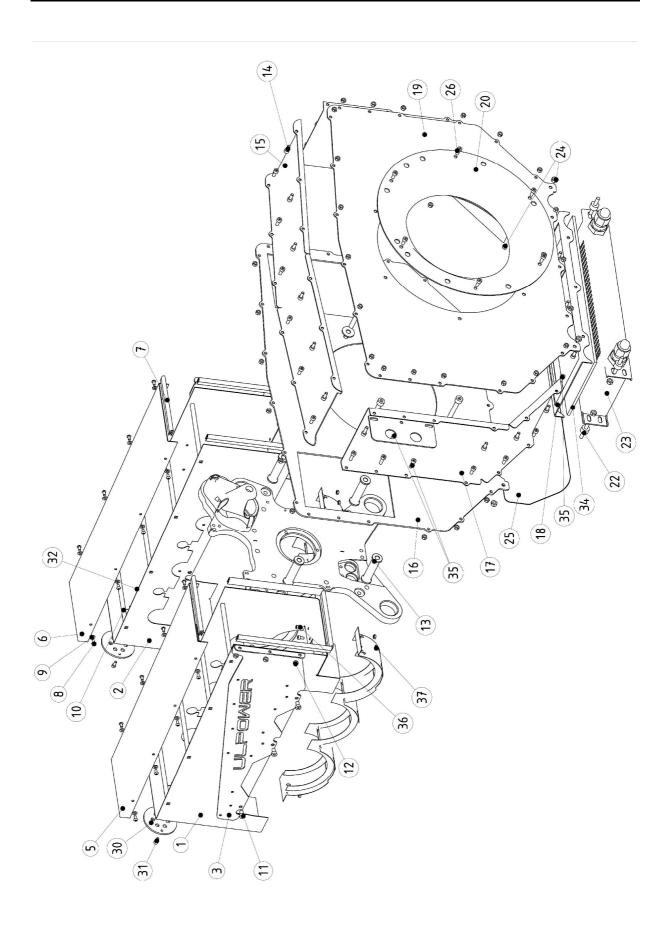
For each assembly drawing the right number of parts is listed in the relevant column. Because an engine can contain multiple times the illustrated assembly or a part can be used in several different applications, the total number of parts per engine is also given.

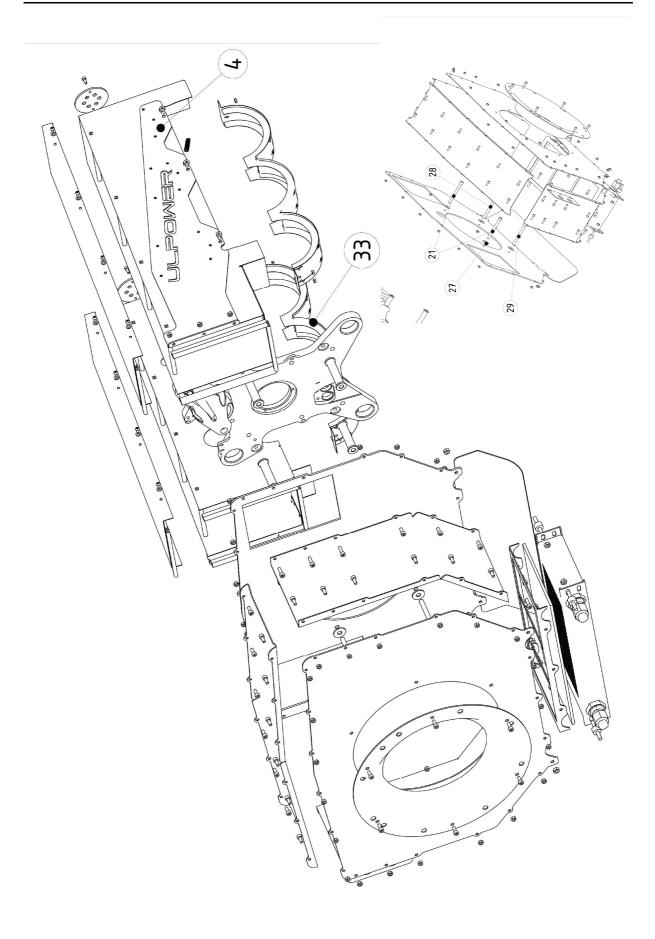
Generally all fasteners are tightened with a torque wrench. The "Notes" column indicates the appropriate torque or refers to extra information at the end of the section.

Blank

Table of Contents

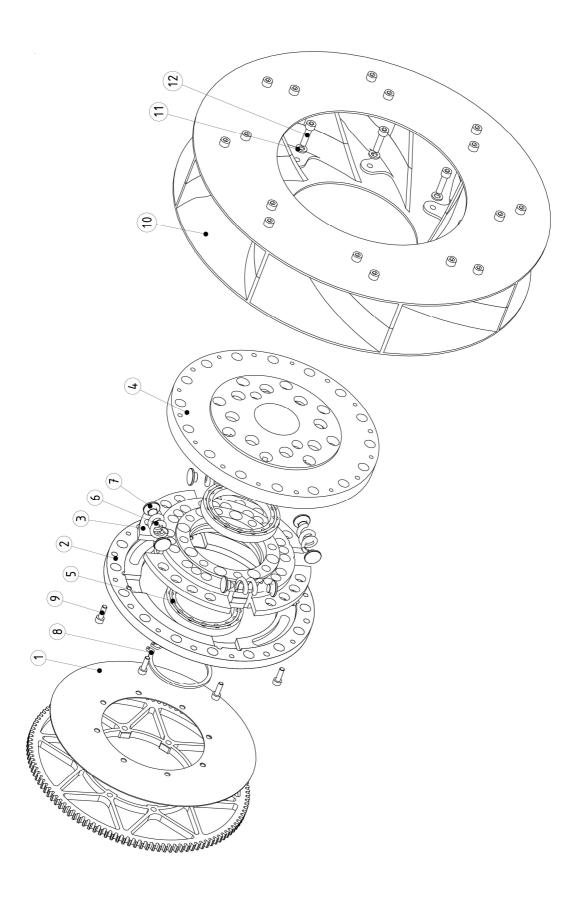
| Introduction | |
|--------------------------|----|
| Remarks | 1 |
| Modifications | 1 |
| Engine serial number | |
| Structure | |
| Table of Contents | 3 |
| Airbox forced | 6 |
| Rotor | 9 |
| Oil Cooler Lines | 11 |
| Front Engine Mount Plate | 13 |
| Revision | 14 |





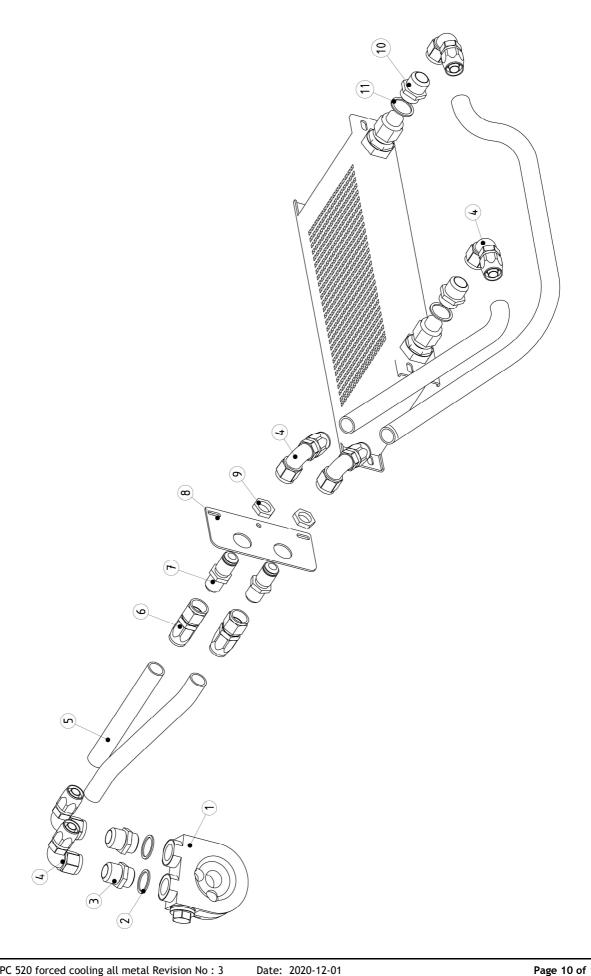
Airbox forced

| 1 SBE012500 Cylinder head ram airbox right forced 1 2 SBE012500 Cylinder head ram airbox right 1 3 SBE012503 Bracket connection to airbox left 1 4 SBE012505 Cover ram airbox right 1 5 SBE012504 Cover ram airbox left 1 7 S8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4 - types ELVZ (36397.040.001) 16 4Nm 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 30 1 1 1 15 SBE130140 Over airbox forced 1 1 <th>ltem</th> <th>Part No.</th> <th>Description</th> <th>Parts in assembly</th> <th>Note</th> | ltem | Part No. | Description | Parts in assembly | Note |
|---|------|-----------|---|-------------------|------|
| 3 SBE012503 Bracket connection to airbox right 1 4 \$8E012502 Bracket connection to airbox left 1 5 \$8E012505 Cover ram airbox right 1 6 \$8E012504 Cover ram airbox left 1 7 \$8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 1 10 \$E012506 stud for airbox forced Ø8 l=140.2 8 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 \$E130145 Engine mount spacer 4 1 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 1 15 \$BE130140 Cover airbox forced 1 1 16 \$BE130140 Cover airbox forced 1 1 17 | 1 | SBE012501 | Cylinder head ram airbox right forced | 1 | |
| 4 SBE012502 Bracket connection to airbox left 1 5 SBE012505 Cover ram airbox right 1 6 SBE012505 Cover ram airbox left 1 7 S8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4 - types ELVZ (36397.040.001) 16 16 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130150 Prevailing hex-nut all metal M5 42 10Nm 13 SE130140 Cover airbox forced 1 1 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 1 15 SBE130140 Cover airbox forced 1 1 16 SBE130120 Main plate forced 1 1 17 SBE130150 | 2 | SBE012500 | Cylinder head ram airbox left forced | 1 | |
| 5 SBE012505 Cover ram airbox right 1 6 SBE012504 Cover ram airbox left 1 7 S8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.97n 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 | 3 | SBE012503 | Bracket connection to airbox right | 1 | |
| 6 SBE012504 Cover ram airbox left 1 7 S8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 4Nm 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 100m 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 1 1 15 SBE130140 Cover airbox forced 1 1 1 1 16 SBE130120 Main plate forced 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< td=""><td>4</td><td>SBE012502</td><td>Bracket connection to airbox left</td><td>1</td><td></td></td<> | 4 | SBE012502 | Bracket connection to airbox left | 1 | |
| 7 S8150701 Seal strip 15.1x7,3 1,2m 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 4Nm 10 SE012506 stud for airbox forced Ø8 l=140.2 8 1 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 1 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 1 15 SBE130140 Cover airbox forced 1 1 16 SBE130140 Cover airbox forced 1 1 16 SBE130140 Cover airbox forced 1 1 17 SBE130150 Oil cooler bracket forced 1 1 18 SE130150 Oil cooler bracket forced 1 1 20 BE1301303 Back plate airbox forced 1 | 5 | SBE012505 | Cover ram airbox right | 1 | |
| 8 F0904008 Hex socket button cap screw M4x8 10.9Zn 16 4Nm 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 30 15 SBE130140 Cover airbox forced 1 1 16 SBE130120 Main plate forced 1 1 17 SBE130120 Main plate forced 1 1 18 SE130150 Oil cooler bracket forced 1 1 19 SBE130133 Back plate airbox forced 1 1 20 BE130135 Inlet cone forced cooling 1 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm <tr< td=""><td>6</td><td>SBE012504</td><td>Cover ram airbox left</td><td>1</td><td></td></tr<> | 6 | SBE012504 | Cover ram airbox left | 1 | |
| 9 F2210040 Disc spring -M4- types ELVZ (36397.040.001) 16 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 15 SBE130140 Cover airbox forced 1 16 SBE130120 Main plate forced 1 17 SBE130130 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130133 Inlet cone forced cooling 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1< | 7 | S8150701 | Seal strip 15.1x7,3 | 1,2m | |
| 10 SE012506 stud for airbox forced Ø8 l=140.2 8 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 30 15 SBE130140 Cover airbox forced 1 1 16 SBE130120 Main plate forced 1 1 17 SBE130160 Side plate airbox forced 2 2 18 SE130150 Oil cooler bracket forced 1 1 19 SBE130130 Back plate airbox forced 1 1 20 BE130135 Inlet cone forced cooling 1 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 4 <td>8</td> <td>F0904008</td> <td>Hex socket button cap screw M4x8 10.9Zn</td> <td>16</td> <td>4Nm</td> | 8 | F0904008 | Hex socket button cap screw M4x8 10.9Zn | 16 | 4Nm |
| 11 F0206010 Socket cap screw M6x10 - 8.8Zn 6 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 30 15 SBE130140 Cover airbox forced 1 1 16 SBE130120 Main plate forced 1 1 17 SBE130160 Side plate airbox forced 2 2 18 SE130150 Oil cooler bracket forced 1 1 20 BE130130 Back plate airbox forced 1 1 20 BE130130 Back plate airbox forced 1 1 20 BE130135 Inlet cone forced cooling 1 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 <td>9</td> <td>F2210040</td> <td>Disc spring -M4- types ELVZ (36397.040.001)</td> <td>16</td> <td></td> | 9 | F2210040 | Disc spring -M4- types ELVZ (36397.040.001) | 16 | |
| 12 F5103050 Prevailing hex-nut all metal M5 42 10Nm 13 SE130145 Engine mount spacer 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 15 SBE130140 Cover airbox forced 1 16 SBE130120 Main plate forced 1 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 <t< td=""><td>10</td><td>SE012506</td><td>stud for airbox forced Ø8 l=140.2</td><td>8</td><td></td></t<> | 10 | SE012506 | stud for airbox forced Ø8 l=140.2 | 8 | |
| 13 SE130145 Engine mount spacer 4 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 15 SBE130140 Cover airbox forced 1 16 SBE130120 Main plate forced 1 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 24 F5103060 Prevailing hex-nut all metal M6 14 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 6 27 F2110080 Nordlock Washer M8 4 | 11 | F0206010 | Socket cap screw M6x10 - 8.8Zn | 6 | |
| 14 F0205012 Socket cap screw M5x12 - 8.8 Zn 30 15 SBE130140 Cover airbox forced 1 16 SBE30120 Main plate forced 1 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 1 24 F5103060 Prevailing hex-nut all metal M6 14 14 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 1 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 1 2 27 F2110080 Nordlock Washer M8 4 1 | 12 | F5103050 | Prevailing hex-nut all metal M5 | 42 | 10Nm |
| 15 SBE130140 Cover airbox forced 1 16 SBE130120 Main plate forced 1 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 24 F5103060 Prevailing hex-nut all metal M6 14 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 1 27 F2110080 Nordlock Washer M8 4 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 S | 13 | SE130145 | Engine mount spacer | 4 | |
| 16 SBE130120 Main plate forced 1 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn <t< td=""><td>14</td><td>F0205012</td><td>Socket cap screw M5x12 - 8.8 Zn</td><td>30</td><td></td></t<> | 14 | F0205012 | Socket cap screw M5x12 - 8.8 Zn | 30 | |
| 17 SBE130160 Side plate airbox forced 2 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 | 15 | SBE130140 | Cover airbox forced | 1 | |
| 18 SE130150 Oil cooler bracket forced 1 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 <td>16</td> <td>SBE130120</td> <td>Main plate forced</td> <td>1</td> <td></td> | 16 | SBE130120 | Main plate forced | 1 | |
| 19 SBE130130 Back plate airbox forced 1 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 < | 17 | SBE130160 | Side plate airbox forced | 2 | |
| 20 BE130135 Inlet cone forced cooling 1 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 <td>18</td> <td>SE130150</td> <td>Oil cooler bracket forced</td> <td>1</td> <td></td> | 18 | SE130150 | Oil cooler bracket forced | 1 | |
| 21 F0208100 Socket cap screw M8x100 - 8.8 Zn 2 20Nm 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 19 | SBE130130 | Back plate airbox forced | 1 | |
| 22 F2662010 Silent bloc M6 type A hoogte 10 4 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 8 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 20 | BE130135 | Inlet cone forced cooling | 1 | |
| 23 SE0426318 Oil cooler -19 Rows - Forced Cooling 1 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 21 | F0208100 | Socket cap screw M8x100 - 8.8 Zn | 2 | 20Nm |
| 24 F5103060 Prevailing hex-nut all metal M6 14 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 22 | F2662010 | Silent bloc M6 type A hoogte 10 | 4 | |
| 25 BE130125 Protection Plate Oil Cooler forced Cooling 1 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 23 | SE0426318 | Oil cooler -19 Rows - Forced Cooling | 1 | |
| 26 F0206012 Socket cap screw M6x12 - 8.8 Zn 6 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 24 | F5103060 | Prevailing hex-nut all metal M6 | 14 | |
| 27 F2110080 Nordlock Washer M8 4 28 E130145 Special Bolt M8x85 + M4 - 10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 25 | BE130125 | Protection Plate Oil Cooler forced Cooling | 1 | |
| 28 E130145 Special Bolt M8x85 + M4 -10 diep 1 20Nm 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 26 | F0206012 | Socket cap screw M6x12 - 8.8 Zn | 6 | |
| 29 F0208090 Socket Cap Screw M8x90 - 8.8 Zn 1 20Nm 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 27 | F2110080 | Nordlock Washer M8 | 4 | |
| 30 SE011504 Ignition cable grommet (6cyl) 2 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 28 | E130145 | Special Bolt M8x85 + M4 -10 diep | 1 | 20Nm |
| 31 F0204010 Cap screw M4x10 - 8.8Zn 4 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 29 | F0208090 | Socket Cap Screw M8x90 - 8.8 Zn | 1 | 20Nm |
| 32 F5102040 Pevailing Hex nut M4 4 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 30 | SE011504 | Ignition cable grommet (6cyl) | 2 | |
| 33 F0904012 Hex socket button cap screw M4x12 10.9Zn 1 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 31 | F0204010 | Cap screw M4x10 - 8.8Zn | 4 | |
| 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 32 | F5102040 | Pevailing Hex nut M4 | 4 | |
| 34 SE130151 Protection Air Cooler (6cyl) 1 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 33 | F0904012 | Hex socket button cap screw M4x12 10.9Zn | 1 | |
| 35 F0205016 Socket cap screw M5x16 - 8.8 Zn 12 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | 34 | SE130151 | Protection Air Cooler (6cyl) | 1 | |
| 36 F0204008 Socket cap screw M4x8 - 8.8Zn 8 | | | | 12 | |
| · | 36 | | · · · · · · · · · · · · · · · · · · · | 8 | |
| | | | · · · · · · · · · · · · · · · · · · · | 4 | |



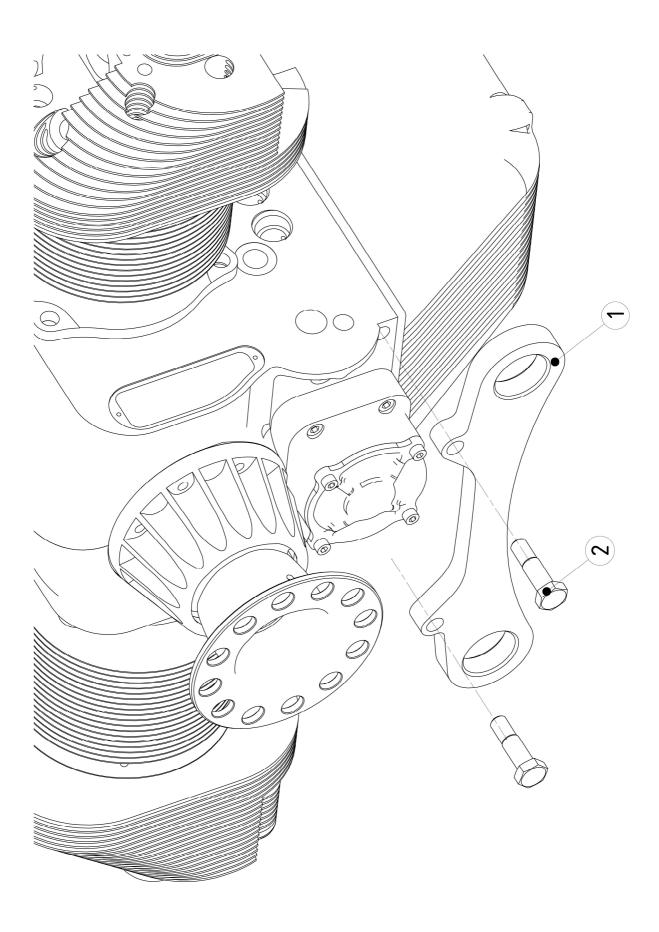
Rotor

| ltem | Part No. | Description | Parts in assembly | Note |
|------|-------------|------------------------------------|-------------------|------|
| 1 | E052514 | Alternator fan base IHPS | 1 | |
| | SUSE130001 | Subass "Flexible Coupling" | | |
| 2 | SE130105 | Flexible Coupling Outer Ring Cover | 1 | |
| 3 | SE130100 | Flexible Coupling Outer Ring | 1 | |
| 4 | SE130110 | Flexible Coupling Inner Ring | 1 | |
| 5 | E132001 | Bearing Ø65x85x10 Sealed | 2 | |
| 6 | SE130106 | Spring | 4 | |
| 7 | SE130112 | Push Finger Spring | 8 | |
| 8 | F1500062 | Retaining Shaft | 1 | |
| 9 | F0305016 | Socket Cap Screw M6x25 -12.9 | 8 | |
| 10 | SUSBE130510 | Right Fan 5,2 | 1 | |
| | SUSBE130610 | Left Fan 5,2 | | |
| 11 | F2110060 | Nordlock Washer M6 | 8 | |
| 12 | F0306025 | Socket Cap Screw M6x25 -12.9 | 8 | 15Nm |



Oil Cooler Lines

| ltem | Part No. | Description | Parts in assembly | Note |
|------|----------|-----------------------------|-------------------|------|
| 1 | E042515 | Oil Thermostat | 1 | |
| 2 | S3202615 | Copper Sealing Ø20x26x1,5 | 2 | 2 |
| 3 | F2560014 | Adapter M20x1,5 - 10JIC | 2 | |
| 4 | F3010090 | 90° Reusable - 10JIC/Swivel | 6 | |
| 5 | F2550011 | Reusable Hose 10JIC | 4m | |
| 6 | F3010000 | Reusable Straight - 10JIC | 2 | |
| 7 | F2560017 | Bulkhead Adapter - 10JIC | 2 | |
| 8 | E130161 | Oil Line Suport | 1 | |
| 9 | F2560018 | Bulkhead Locknut - 10JIC | 2 | |
| 10 | F2560016 | Adapter M22x1,5 / 10JIC | 2 | |
| 11 | S3222715 | Copper Ring Ø22x27x1,5 | 2 | |



Front Engine Mount Plate

| ltem | Part No. | Description | Parts in assembly | Note |
|------|----------|--------------------------|-------------------|------|
| 1 | E013520 | Front Engine Mount Plate | 1 | |
| 2 | F1410040 | Hexagon Fit Bolt M10x40 | 2 | 25Nm |

Revision

Revision 1 (2017-12-21)

Pg 4 en 5: New look + New covers (nr.5 and nr.6) + nr.10 (stud for airbox forced 6 cyl)

Revision 2 (2019-11-19)

Pg 4 - 6: Nr 12: 9 pieces was 6

Nr 15: 33 pieces was 31

..Nr 31, 32, 33 added

Nr 34 added

Revision 3 (2020-12-01)

Pg 8 en 9: SUSE130001 (Subass Flexible Coupling)

Nr 1: E052514 was E052 503