ULPOWER
AERO ENGINES

Illustrated Parts Catalogue

FORCED COOLING ALL METAL

FOR UL390-ENGINES

AERO ENGINE

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

Engine Serial No. : .....

Aircraft type : .....

Model : .....

Serial No. : .....

Registration : .....

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.

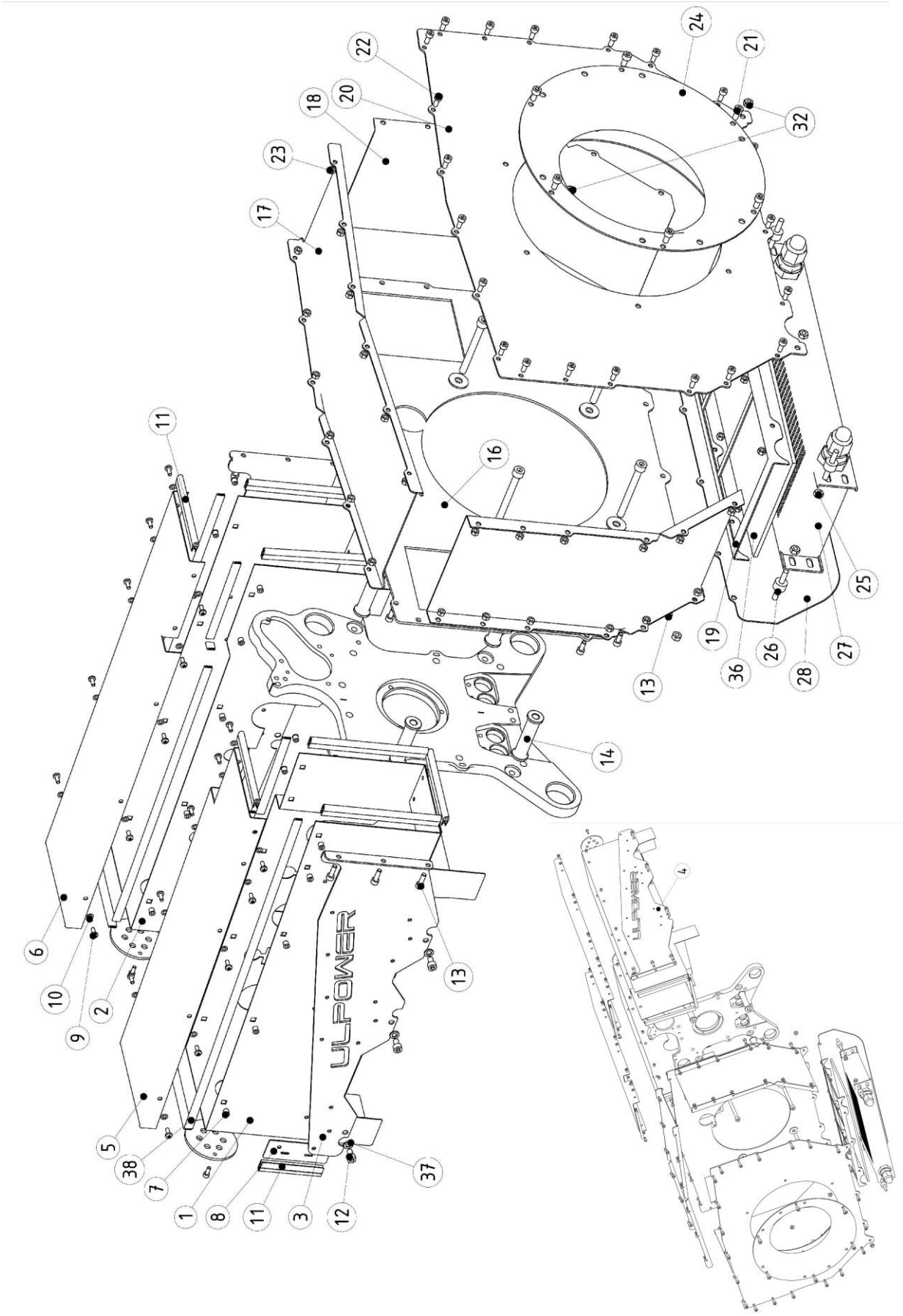
For each assembly drawing the right number of parts is listed in the relevant column. Because an engine can contain multiple times the illustrated assembly or a part can be used in several different applications, the total number of parts per engine is also given.

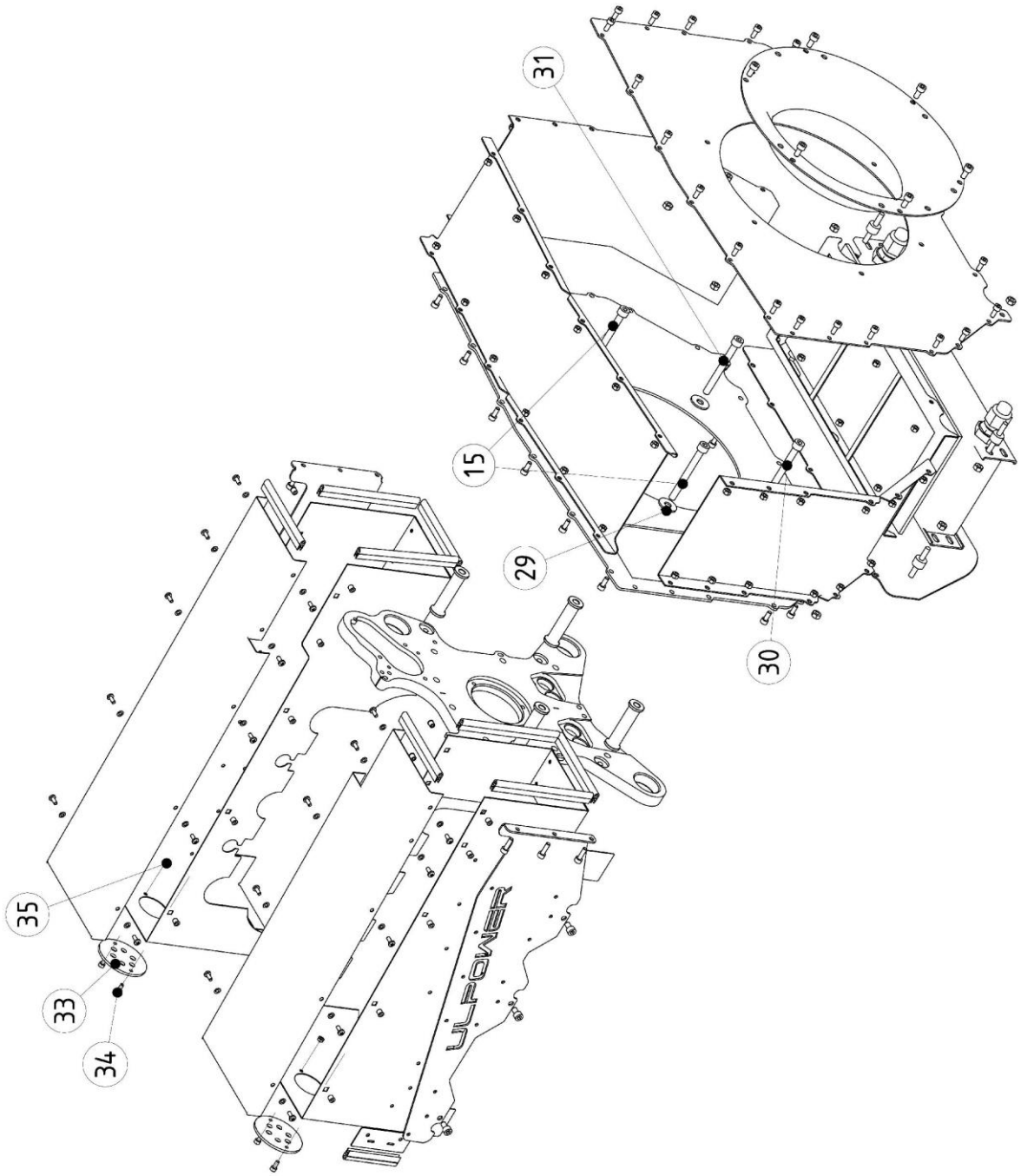
Generally all fasteners are tightened with a torque wrench. The "Notes" column indicates the appropriate torque or refers to extra information at the end of the section.

Blank

Table of Contents

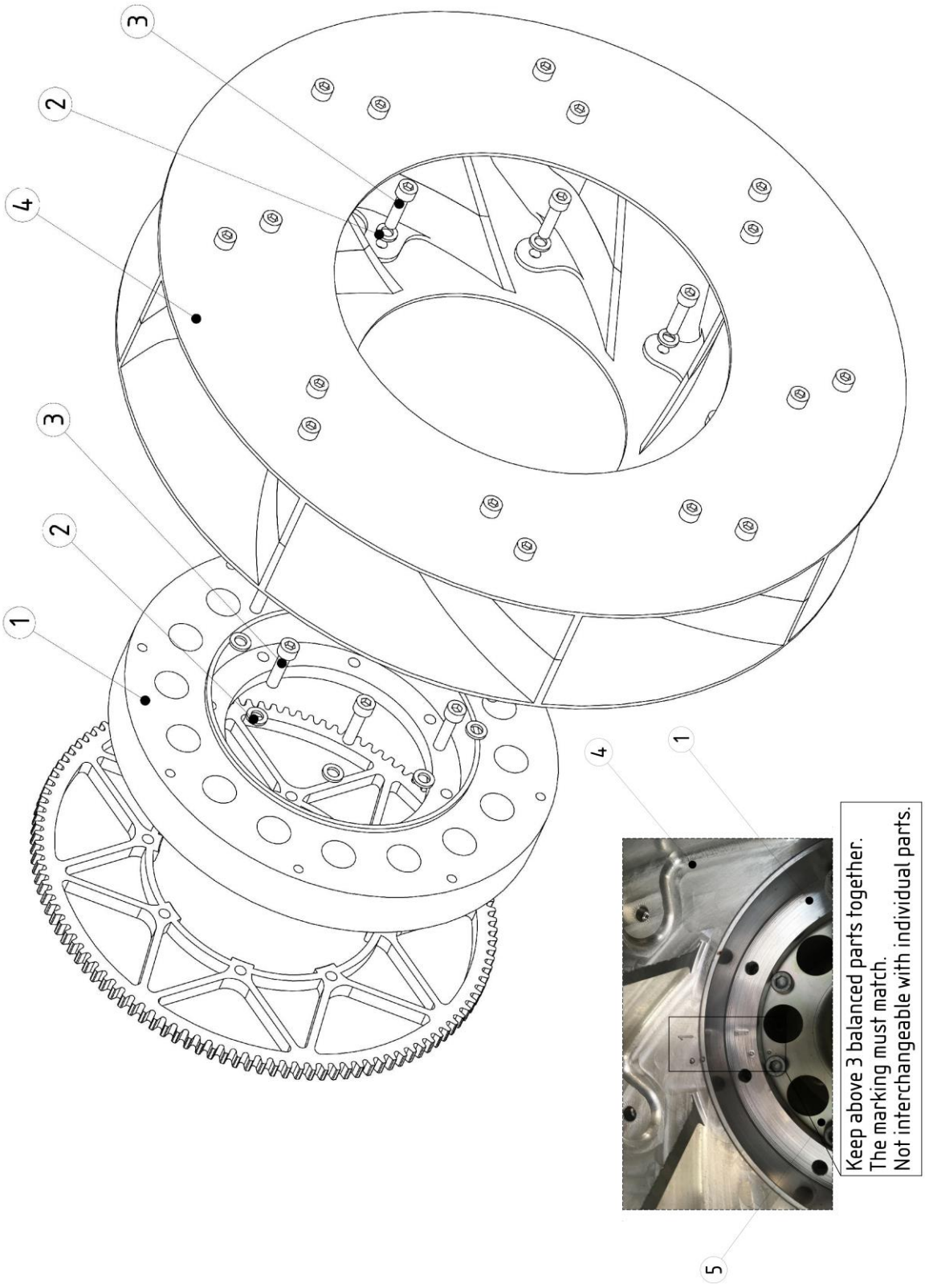
Introduction **1**
Remarks 1
Modifications 1
Engine serial number 1
Structure 1
Table of Contents **3**
Airbox forced **6**
Rotor **9**
Oil Cooler Lines **11**
Front Engine Mount Plate **13**
Revision **14**


24
21
22
18
20
32
23
17
11
16
25
19
26
27
36
28
13
14
6
10
9
2
13
5
38
7
1
8
11
3
12
37
4


31
15
29
30
35
33
34
ULPOWER

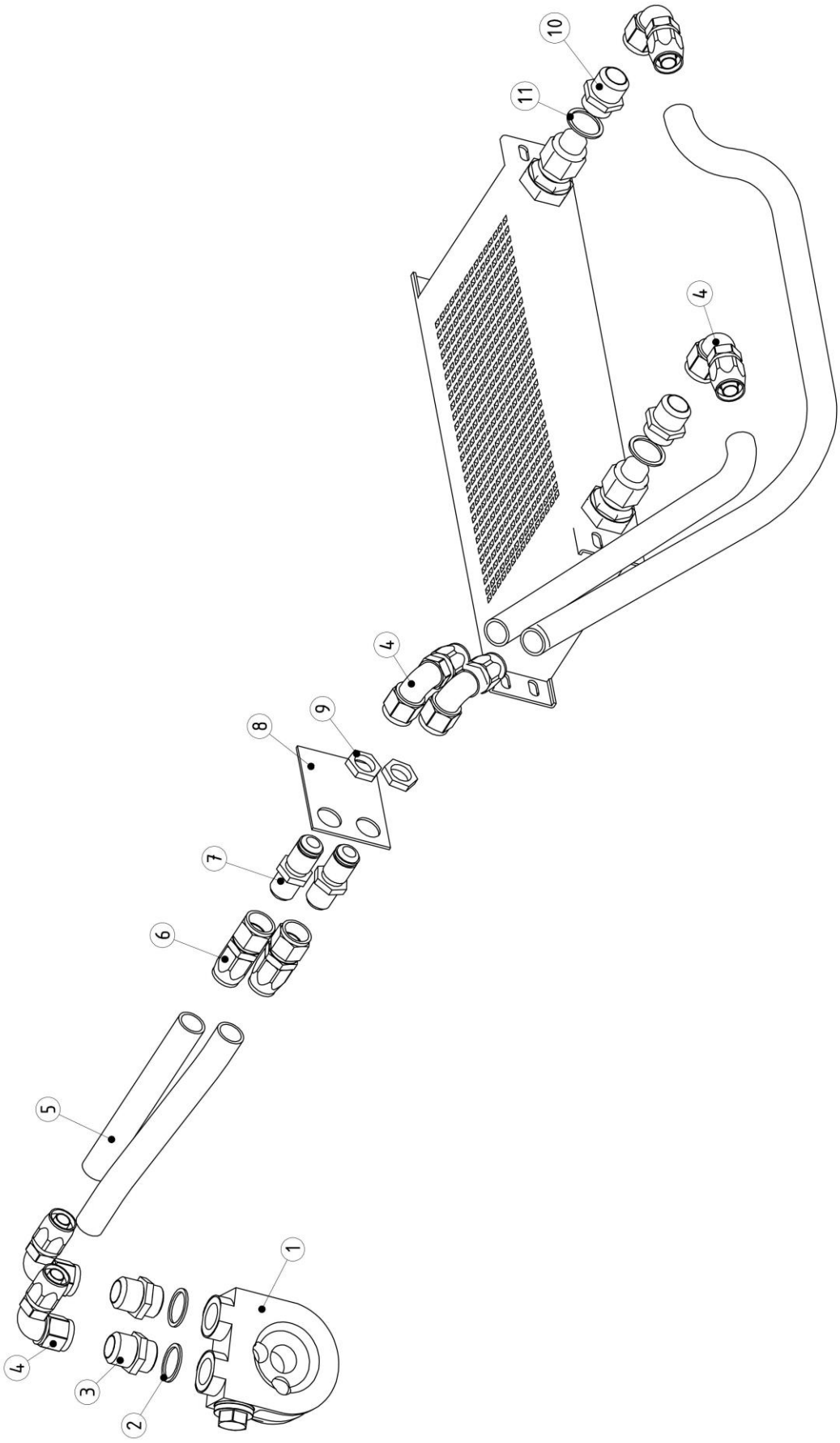
Airbox forced

Item	Part No.	Description	Parts in assembly	Note
1	SUSE012501	Subass Cylinder Head Ram Air Box Right Forced Cooling 3,9	1	
2	SUSE012500	Subass Cylinder Head Ram Air Box Left Forced Cooling 3,9	1	
3	SE012503	Bracket to Cylinder Head Ram Air Box Right Forced Cooling 3,9	1	
4	SE012502	Bracket to Cylinder Head Ram Air Box Left Forced Cooling 3,9	1	
5	SE012505	Cover for Cylinder Head Ram Air Box Right Forced Cooling 3,9	1	
6	SE012504	Cover for Cylinder Head Ram Air Box Left Forced Cooling 3,9	1	
7	F2390413	Blind Rivet Nut M4x6.3	20	
8	E130162	Protection Oil Line	1	
9	F0904008	Hex Socket Button Cap Screw M4x8 10.9 Zn	20	4Nm
10	F2210040	Disc Spring - M4 - types ELVZ (36397.040.001)	20	
11	S8150701	Seal Strip 15.1x7.3	1.1m	
12	F0206010	Socket Cap Screw M6x10 - 8.8Zn	6	
13	F0205016	Socket Cap Screw M5x16 - 8.8Zn	9	10Nm
14	SE130145	Cowling Mount Spacer	4	
15	F0208100	Socket Cap Screw M8x100 - 8.8 Zn	4	20Nm
16	SE130120	Main Plate Air Box Forced Cooling 3.9	1	
17	SE130140	Cover Air Box Forced Cooling 3,9	1	
18	SE130160	Side Plate Air Box Forced Cooling 3,9	2	
19	SE130150	Oil Cooler Bracket Forced Cooling 3,9 - 5,2	1	
20	SE130130	Back Plate Air Box Forced Cooling 3,9	1	
21	F0206012	Socket Cap Screw M6x12 - 8.8 Zn	6	
22	F0205012	Socket Cap Screw M5x12 - 8.8 Zn	33	10 Nm
23	F5103050	Prevailing Hex-nut All Metal M5	42	
24	E130135	Inlet Cone Forced Cooling 2,9 - 3,9	1	
25	F0206012	Socket Cap Screw M6x12 -8.8 Zn	14	
26	F2662010	Silent Blok M6 Type A Hoogte 10	4	
27	SE0426318	Oil Cooler - 19Rows - Forced Cooling	1	
28	BE130125	Protection Plate Oil Cooler Forced Cooling	1	
29	F2110080	Nordlock Washer M8	4	
30	F0208090	Socket Cap Screw M8x90 - 8.8 Zn	1	20Nm
31	E130145 F0208090	Special Bolt M8x85 +M4-10diep Socket cap screw M8x90 - 8.8 Zn (Vertical)	1 1	20Nm 20Nm
32	F5103060	Prevailing Hex-nut All metal M6	14	
33	SE011504	Ignition cable grommet (6cyl)	2	
34	F0204010	Cap screw M4x10 - 8.8Zn	4	
35	F5102040	Prevailing hex nut M4	4	
36	SE130151	Protection Oil Cooler	1	
37	F2110060	Nordlock Washer M6	6	
38	S8100400	Seal Strip EPDM 10x4	2m	


3
2
4
3
2
1
4
1
5
Keep above 3 balanced parts together.
The marking must match.
Not interchangeable with individual parts.

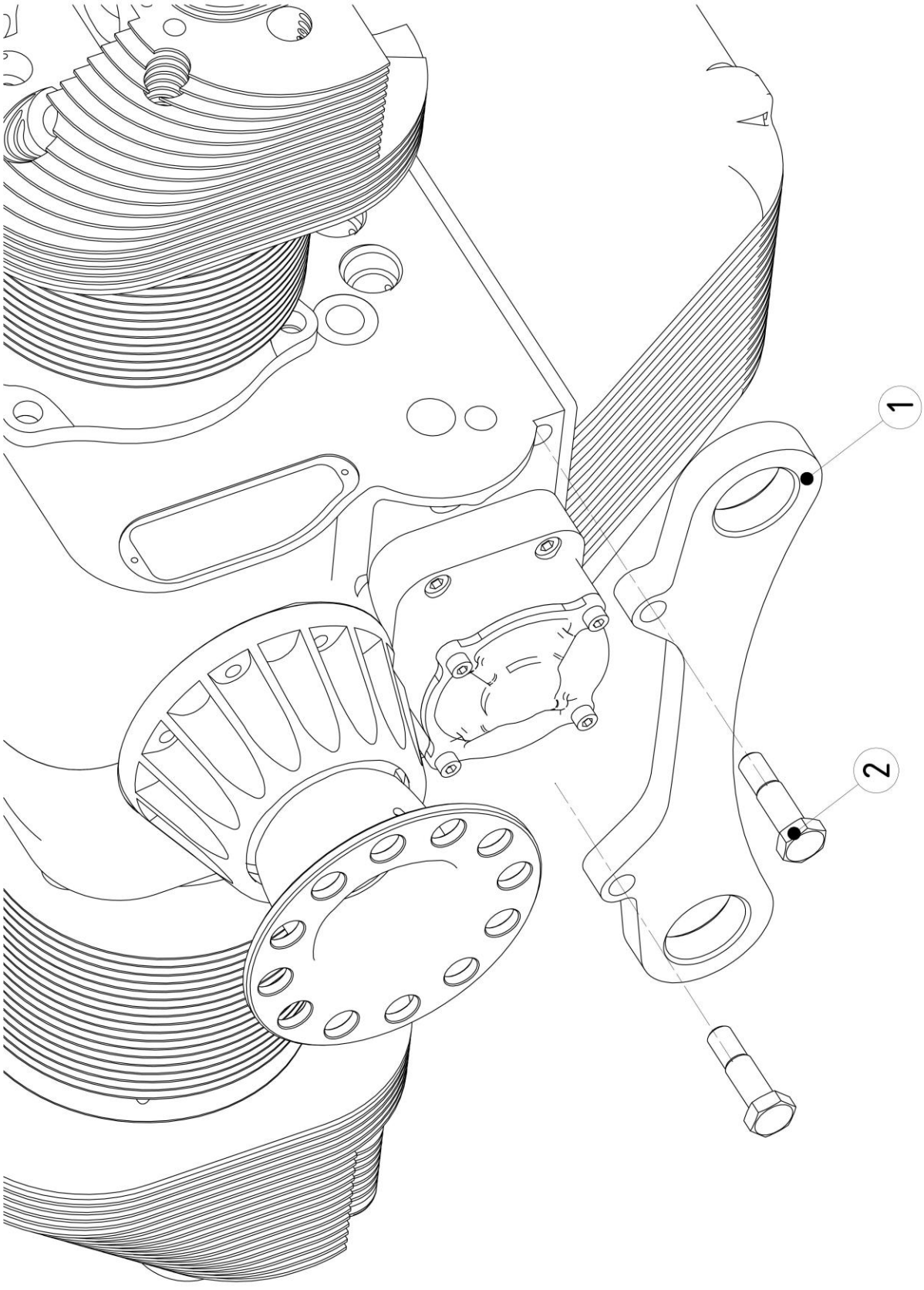
Rotor

Item	Part No.	Description	Parts in assembly	Note
1	SE130 102	Coupling Flange Fan Forced Cooling		
2	F2110060	Nordlock Washer M6	16	
3	F0306025	Socket Cap Screw M6x25 -12.9	16	15Nm
4	SUSE130512 SUSE130610	Right Fan 3,9 Left Fan 3,9	1	
5		Alternator Rotor		


10
11
4
4
9
8
7
6
5
1
4
3
2

Oil Cooler Lines

Item	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 Support	1	
9	F2560018	Bulkhead Locknut – 10JIC	2	
10	F2560016	Adapter M22x1,5 / 10JIC	2	
11	S3222715	Copper Ring Ø22x27x1,5	2	


1
2

Front Engine Mount Plate

Item	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 (2019-11-01)

Pg 4, 5, 6 : Nr 13: 9 pieces was 6
Nr 22: 33 pieces was 33
Nr 33, 34 en 35 toegevoegd
Nr 36 Toegevoegd

Revision 2 (2021-06-01)

Pg 4 - 6: Nr7: F2390406 was SE012506 (Stud for Air Box Forced Ø8 l=140.2) + SE012516 (L115.2) verwijderd

Revision 3 (2024-02-01)

Pg 4 - 6: Nr8 E130162 (Protection Oil Line) toegevoegd

Pg 4-6: Nr 37 toegevoegd

Pg 8 en 9: SE130102 was SUSE130001 (Subass Flexible Coupling)
E052 503 verwijderd

Pg 8: Detail foto toegevoegd.

Revision 4 (2000-00-00)

Pg 4-6: Nr 38 toegevoegd. (S8100400: Seal Strip EPDM 10x4)