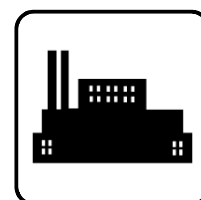


Service Parts

Engine



Engine Model:

KD45V20, 60 Hz

Generator Models:

KD1250

KD1500

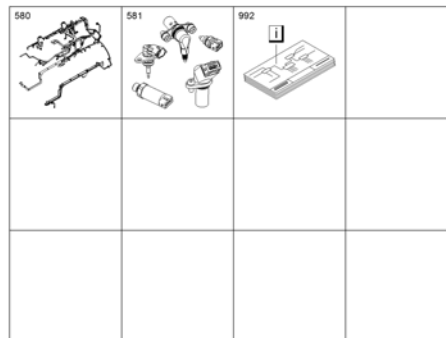
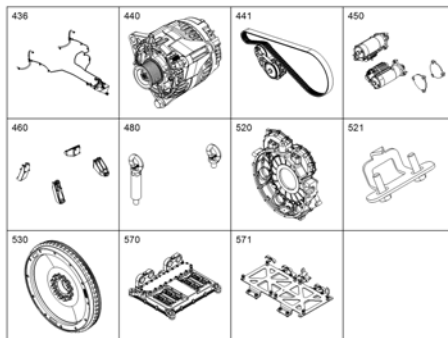
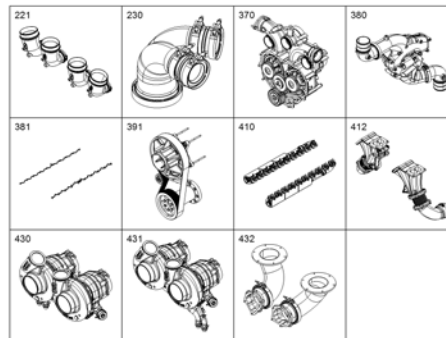
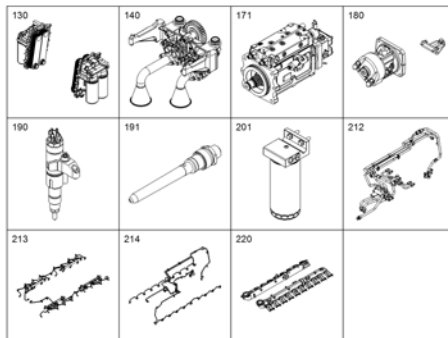
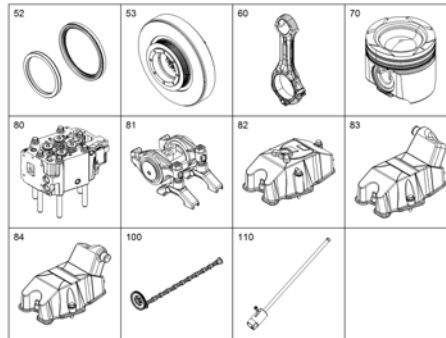
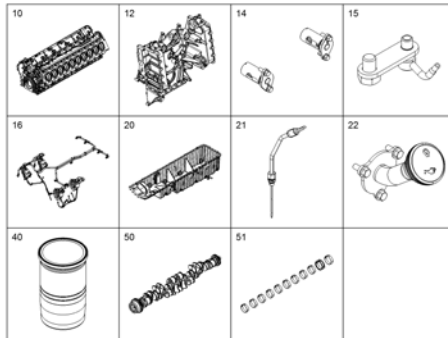
KD1600

KD1750

KOHLER®

Table of Contents

Engine 10101009801, Specification Series 10001000701-GA	
Table of Contents	1- 1
KOHLER KD45V20 SAE0/18, 10101009801	2- 1
Engine 10101042701, Specification Series 10001001101-GA	
Table of Contents	3- 1
KOHLER KD45V20, 10101042701	4- 1



Tables of contents

Description	Page
Engine KOHLER KD45V20 SAE 0/18	1
Crankcase cpl.	5
Crankcase pre-assy.	6
Grease	7
Power unit support attachment	8
Housing pre-assembled	9
Final control valve	10
Piston cooling	11
Crankcase breather assembly	12
Cylinder head cover assembly	17
Oil separator	18
Oil separator	19
Cylinder head cover assembly	20
Oil sump with fastening	21
Oil sump	22
Oil dipstick cpl.	23
Oil filler inlet	24
End cover	25
Cylinder	26

Tables of contents

Description	Page
Crankshaft	27
Crankshaft bearings	28
Crankshaft sealing	29
Driving parts	30
Connecting rod assembly	31
Piston cpl.	32
Cylinder head assembly	33
Cylinder head pre-assy.	34
Cylinder head	35
Rocker arms device cpl.	36
Rocker arm bracket pre-ass.	37
Cylinder head cover assembly	38
Cylinder head cover assembly	39
Cylinder head cover assembly	40
Cylinder head cover assembly	41
Cylinder head cover assembly	42
Camshaft cpl.	43
Camshaft pre-ass.	44
Control parts	45

Tables of contents

Description	Page
Oil module assembly	46
Oil module left	47
Oil cooler housing	48
Oil module right	49
Oil cooler housing	50
Lube oil pump with fastening	51
Drive for high pressure pump	52
Injector with fastening	53
Rk injector	54
High pressure connector	55
Seal kit high press.connector	56
Seal kit injector	57
Fuel fine-filter assembly	58
Fuel filter module	59
Fuel lines	60
High pressure pipe assembly	63
Leak oil line add-on	64
Air intake assembly	67
Intake stack assembly	68

Tables of contents

Description	Page
Locking pieces	69
Charge air line assembly	70
Water pump with fastening	71
Thermostat housing assembly	72
Connection f.water pipe	73
Vent tube assembly	74
Fan drive assembly	76
Tightening roller	77
Guide pulley compl.	78
Exhaust pipe assembly	79
Outlet manifold add-on	80
Exhaust tc mounting	81
Exhaust tc mounting	83
Exhaust nozzle	85
Regulation boost pressure	86
Generator add-on	88
Belt drive	89
Starter installation	90
Starter installation	91

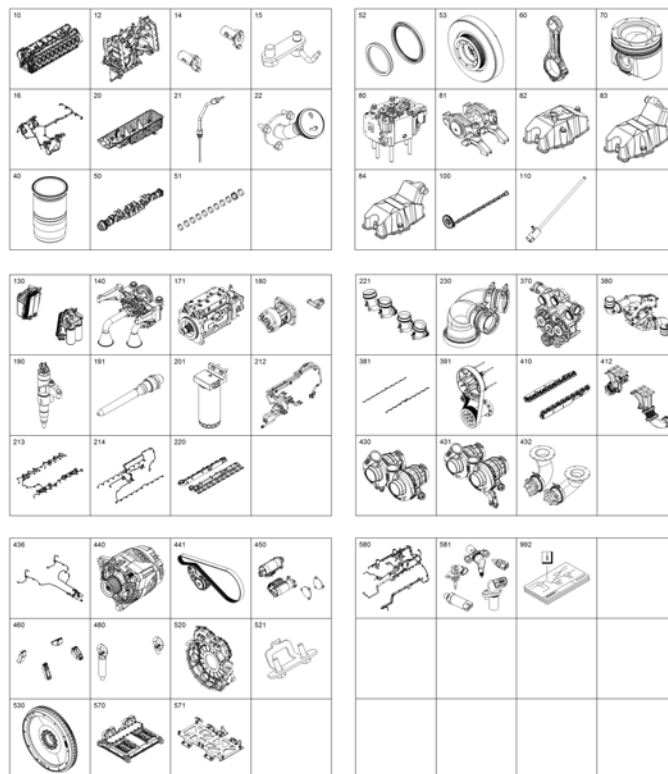
Tables of contents

Description	Page
Starter pre-assy.	92
Locking pieces	93
Fastening pieces assembly	94
Lifting device	95
Flywheel housing mounting	96
Control plate assembly	97
Flywheel assembly	98
Motor control device	99
Control box annexe	100
Fastening clamp	101
Cable harness mounting	102
Engine control sensors	104
Temperature probe cpl.	105
Pressure transmitter cpl.	106
Pressure transmitter cpl.	107
Temperature sensor cpl.	108
Rotational speed sensor cpl.	109
Rotational speed sensor cpl.	110
Engine electrics	111

Engine KOHLER KD45V20 SAE 0/18

10101009801

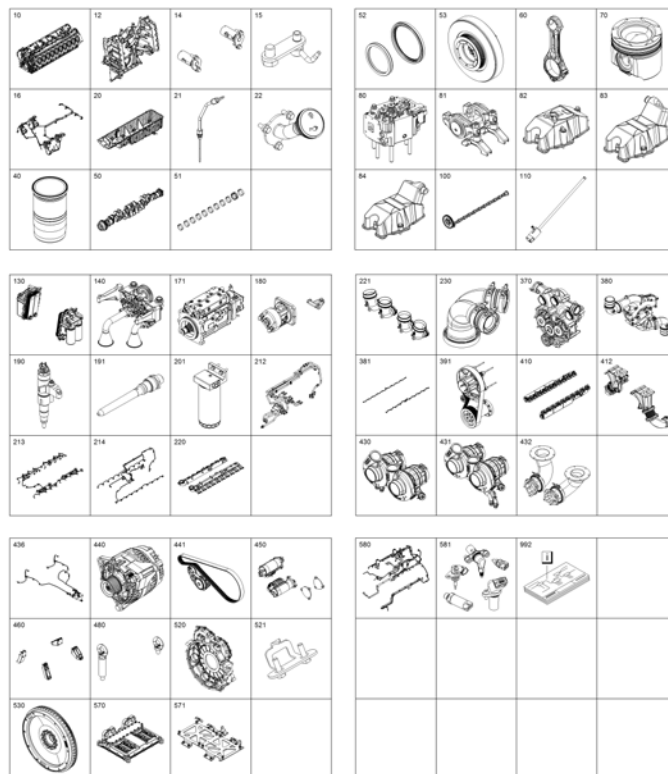
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14	230610769	-	Final control valve	1	UN		10
15	230610570	-	Piston cooling	20	UN		11
16	230610586	-	Crankcase breather assembly	1	UN		12
20	230610781	-	Oil sump with fastening	1	UN		21
21	230610185	-	Oil dipstick cpl.	1	UN		23
22	230610257	-	Oil filler inlet	1	UN		24
40	230610155	-	Cylinder	20	UN		26
50	230611007	-	Crankshaft	1	UN		27
51	230610780	-	Crankshaft bearings	1	UN		28
52	230610585	-	Crankshaft sealing	1	UN		29
53	230610753	-	Driving parts	1	UN		30
60	230610060	-	Connecting rod assembly	20	UN		31
70	230610224	-	Piston cpl.	20	UN		32
80	230610153	-	Cylinder head assembly	20	UN		33



Engine KOHLER KD45V20 SAE 0/18

10101009801

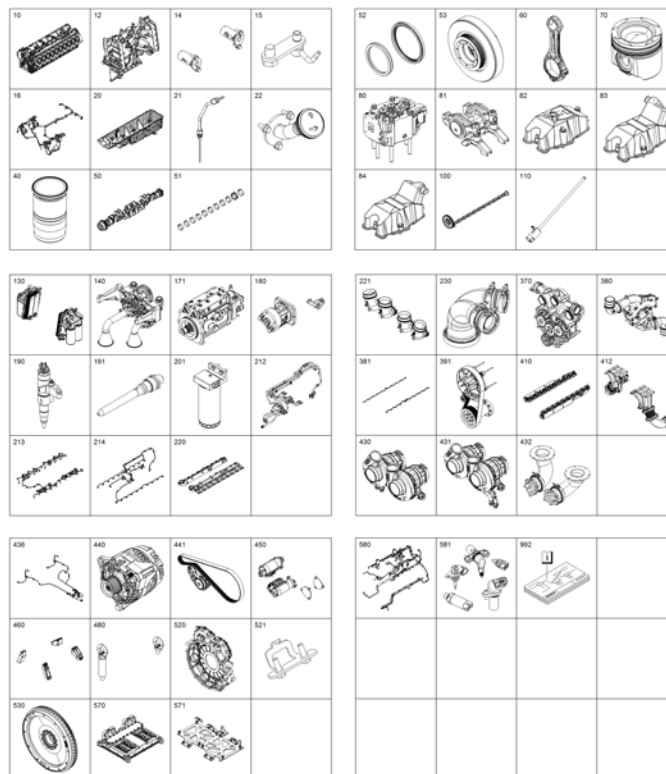
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81	230610160	-	Rocker arms device cpl.	20	UN		36
82	230610073	-	Cylinder head cover assembly	12	UN		38
83	230610589	-	Cylinder head cover assembly	2	UN		39
84	230610556	-	Cylinder head cover assembly	2	UN		41
100	230610857	-	Camshaft cpl.	1	UN		43
110	230610587	-	Control parts	20	UN		45
130	230610743	-	Oil module assembly	1	UN		46
140	230610798	-	Lube oil pump with fastening	1	UN		51
171	230610876	-	High pressure pump	1	UN		
180	230610682	-	Drive for high pressure pump	1	UN		52
190	230610673	-	Injector with fastening	20	UN		53
191	230610251	-	High pressure connector	20	UN		55
201	230610797	-	Fuel fine-filter assembly	1	UN		58
212	230610789	-	Fuel lines	1	UN		60
213	230610733	-	High pressure pipe assembly	1	UN		63
214	230610801	-	Leak oil line add-on	1	UN		64



Engine KOHLER KD45V20 SAE 0/18

10101009801

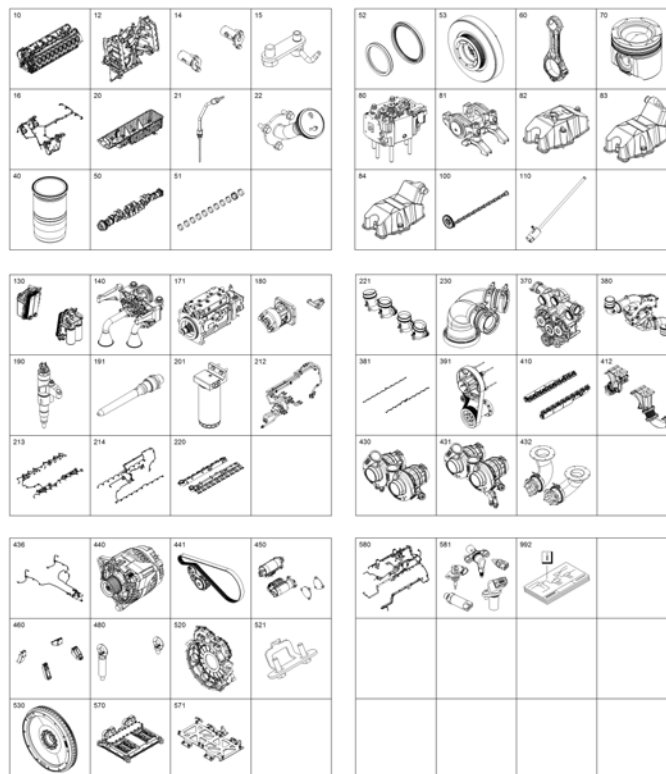
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221	230610852	-	Intake stack assembly	1	UN		68
230	230610601	-	Charge air line assembly	2	UN		70
370	230610609	-	Water pump with fastening	1	UN		71
380	230610756	-	Thermostat housing assembly	1	UN		72
381	230610897	-	Vent tube assembly	1	UN		74
391	230610867	-	Fan drive assembly	1	UN		76
410	230610596	-	Exhaust pipe assembly	1	UN		79
412	230610730	-	Outlet manifold add-on	1	UN		80
430	230610868	-	Exhaust tc mounting	1	UN		81
431	230610869	-	Exhaust tc mounting	1	UN		83
432	230610599	-	Exhaust nozzle	2	UN		85
436	230610870	-	Regulation boost pressure	1	UN		86
440	230610814	-	Generator add-on	1	UN		88
441	230610815	-	Belt drive	1	UN		89
450	230610861	-	Starter installation	1	UN		90



Engine KOHLER KD45V20 SAE 0/18

10101009801

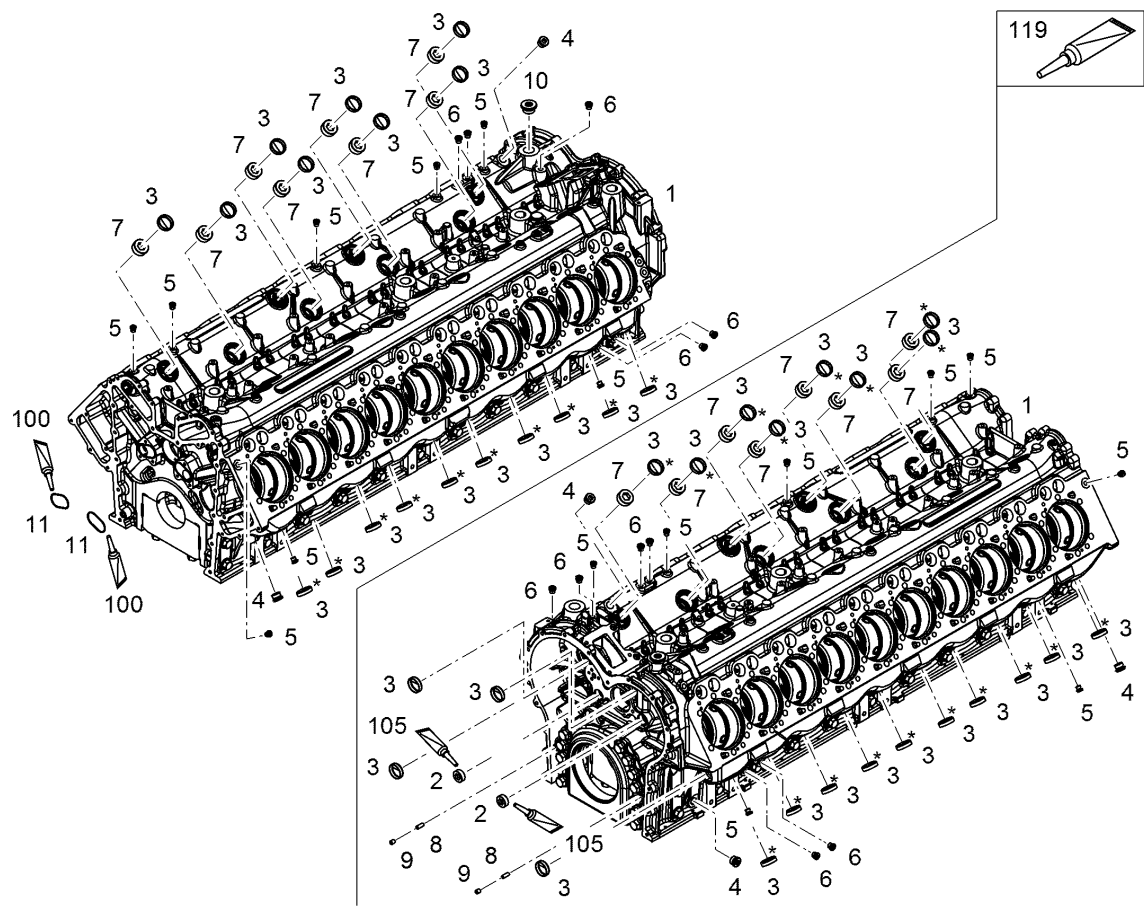
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480	230610600	-	Lifting device	1	UN		95
520	230610764	-	Flywheel housing mounting	1	UN		96
521	230610434	-	Control plate assembly	2	UN		97
530	230610698	-	Flywheel assembly	1	UN		98
570	230610921	-	Motor control device	2	UN		99
571	230610796	-	Control box annexe	1	UN		100
580	230610986	-	Cable harness mounting	1	UN		102
581	230610632	-	Engine control sensors	1	UN		104
992	230610825	-	Engine electrics	1	UN		111



Crankcase cpl.

230610643

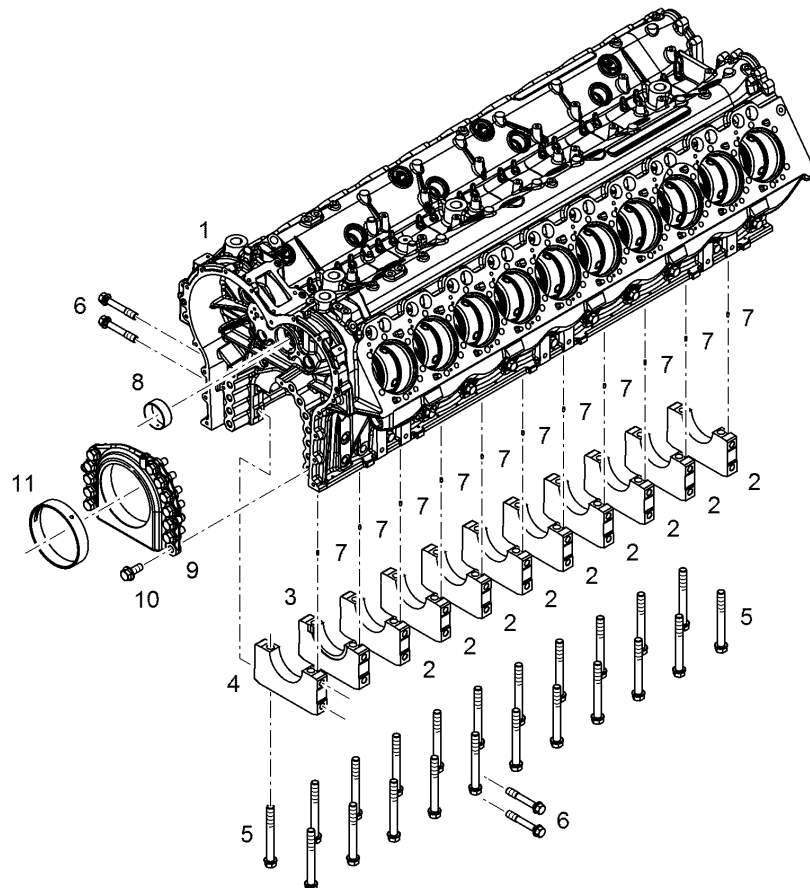
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3	230610478	-	End cover	40	UN			
4	230610066	-	Screw plug	5	UN			
5	230610064	-	Screw plug	16	UN			
6	230610065	-	Screw plug	11	UN			
7	230610720	-	Screw plug	16	UN			
8	230610406	-	Parallel pin	2	UN			
9	230610470	-	Sealing plug	2	UN			
10	230610855	-	Screw plug	1	UN			
11	230610779	-	Seal	2	UN			
100	230610702	-	Grease	1	UN			7
105	230611017	-	Screw locking	1	UN			
119	230610431	-	Glue	1	UN			



Crankcase pre-assy.

230610642

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610641	-	Crankcase	1	UN			
2	230610640	-	Main bearing cap	9	UN			
3	230610638	-	Cover	1	UN			
4	230610639	-	Main bearing cap	1	UN			
5	230610581	-	Hexagon head screw	22	UN			
6	230610582	-	Hexagon head screw	44	UN			
7	230610391	-	Parallel pin	11	UN			
8	230610527	-	Camshaft bearing	11	UN			
9	230610635	-	Housing pre-assembled	1	UN			
10	230610946	-	Hex screw	12	UN			
11	230610591	-	Bearing	1	UN			



Grease

230610702

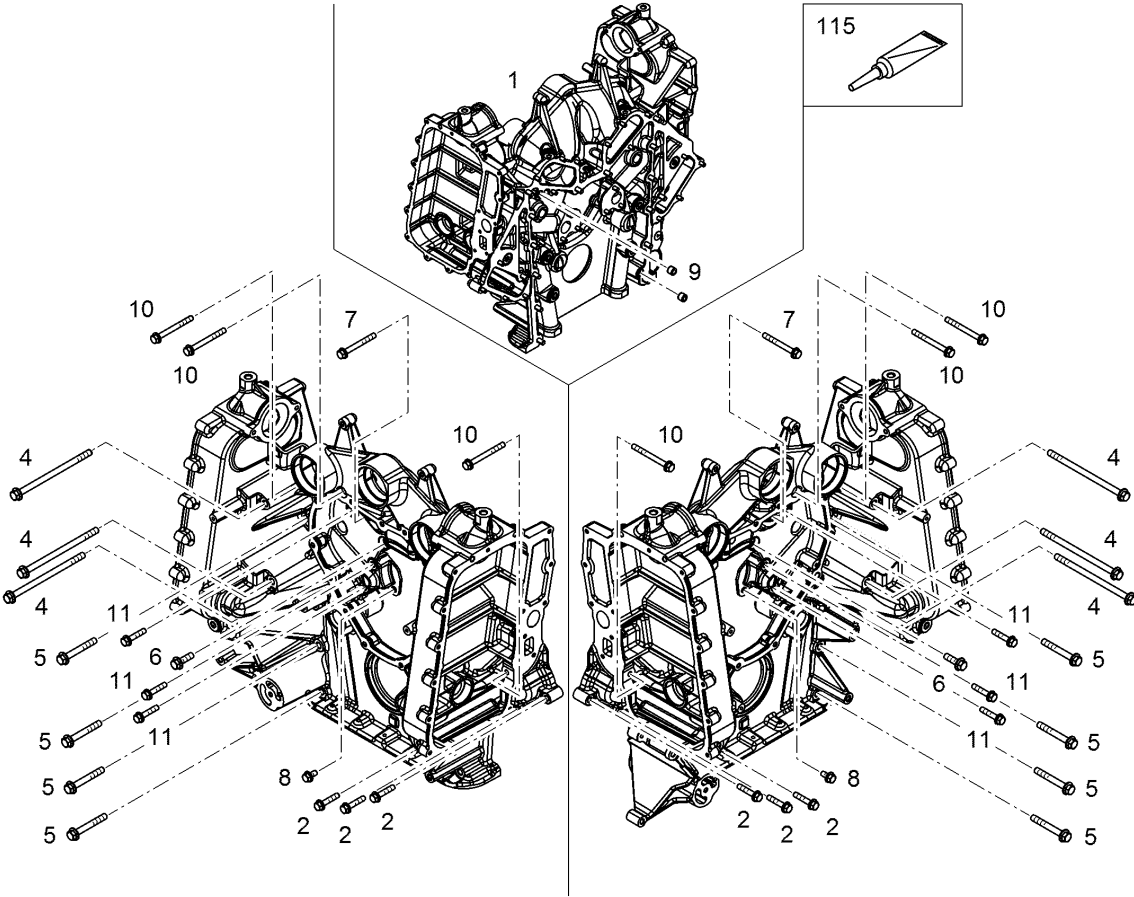
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
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available.

Power unit support attachment

230610686

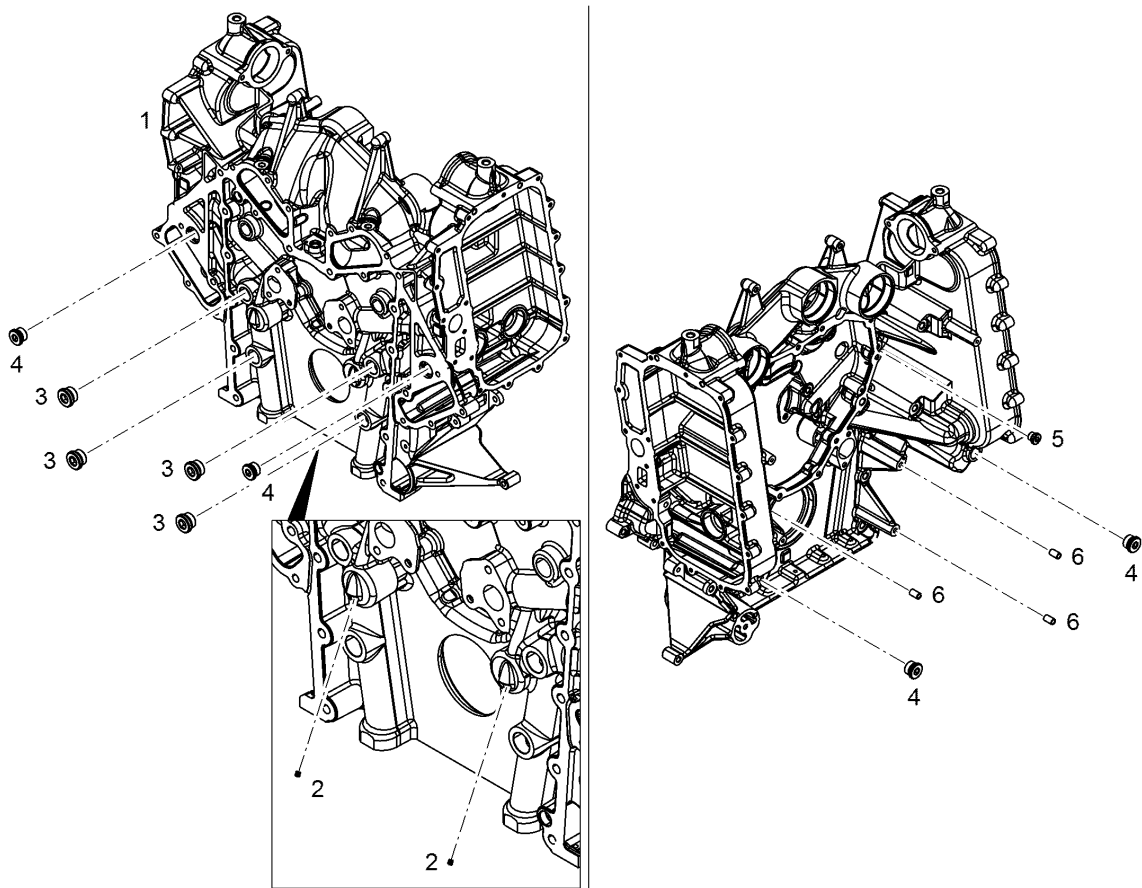
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2	230612315	-	Hex screw	12	UN		
3	230612316	-	Hex screw	6	UN		
4	230612317	-	Hex screw	8	UN		
5	230612318	-	Hex screw	2	UN		
6	230612319	-	Hex screw	2	UN		
7	230610464	-	Hex screw	2	UN		
8	230612320	-	Hex screw	6	UN		
9	230610510	-	Tight fit sleeve	2	UN		
115	230610710	-	Surface sealing	1	UN		



Housing pre-assembled

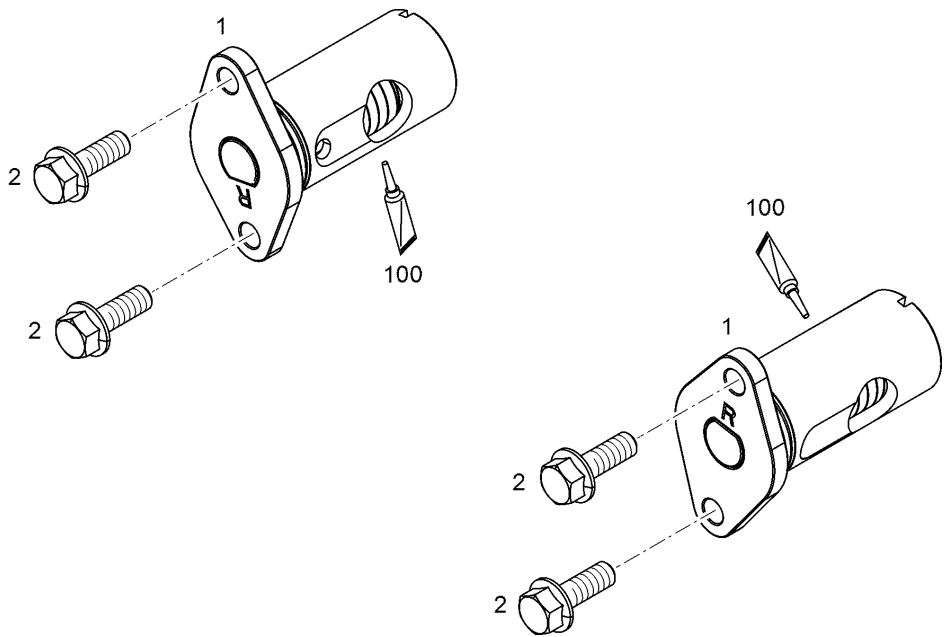
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1	230610904	-	Housing	1	UN			
2	230611977	-	Screw	2	UN			
3	230610071	-	Screw plug	4	UN			
4	230610066	-	Screw plug	4	UN			
5	230610064	-	Screw plug	2	UN			
6	230610488	-	Threaded insert	3	UN			
102	230611978	-	Thread lock	1	UN			



Final control valve
230610769

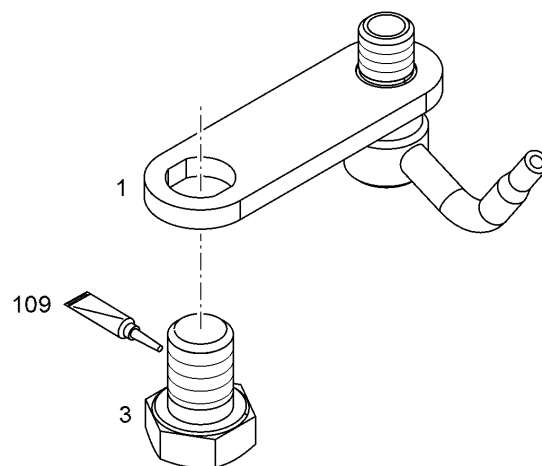
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1	230610657	-	Pressure limiting valve	2	UN			
2	230610323	-	Hex screw	4	UN			
100	230610702	-	Grease	1	UN			7



Piston cooling

230610570

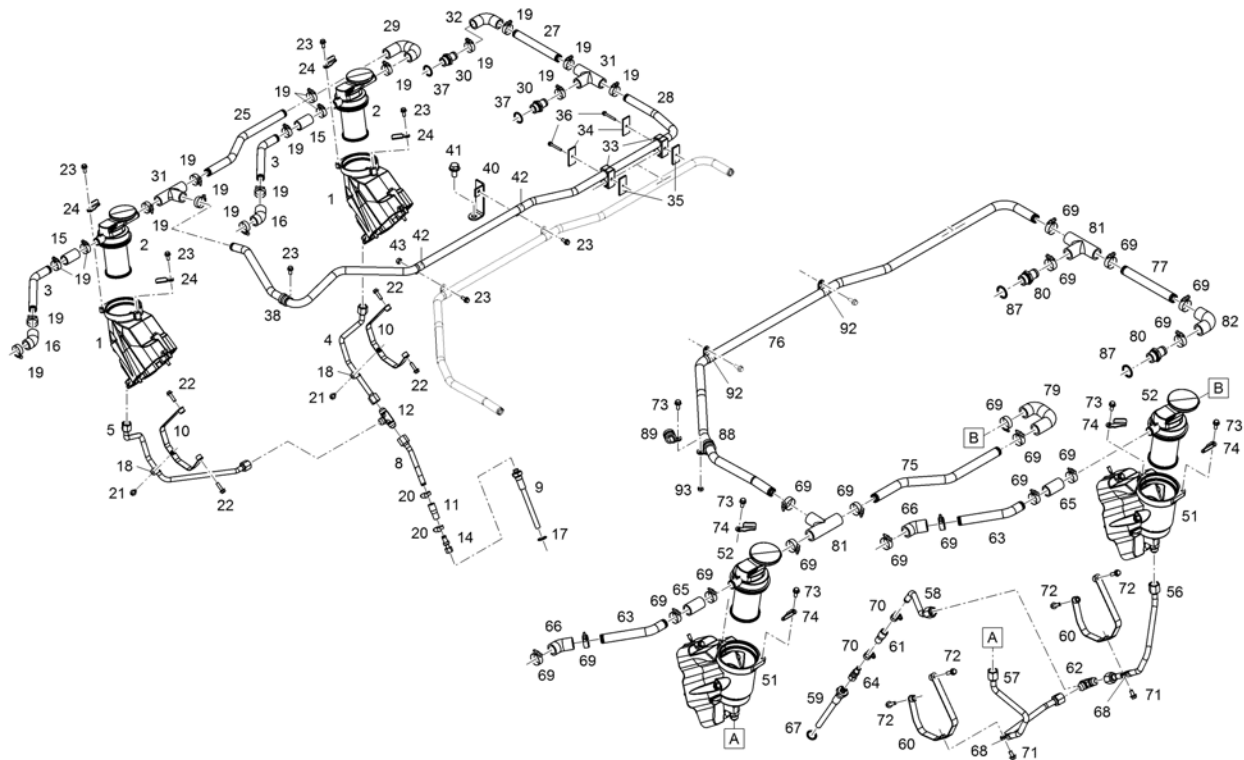
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1	230610760	-	Nozzle pre-ass.	1	UN		
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109	230611017	-	Screw locking	1	UN		



Crankcase breather assembly

230610586

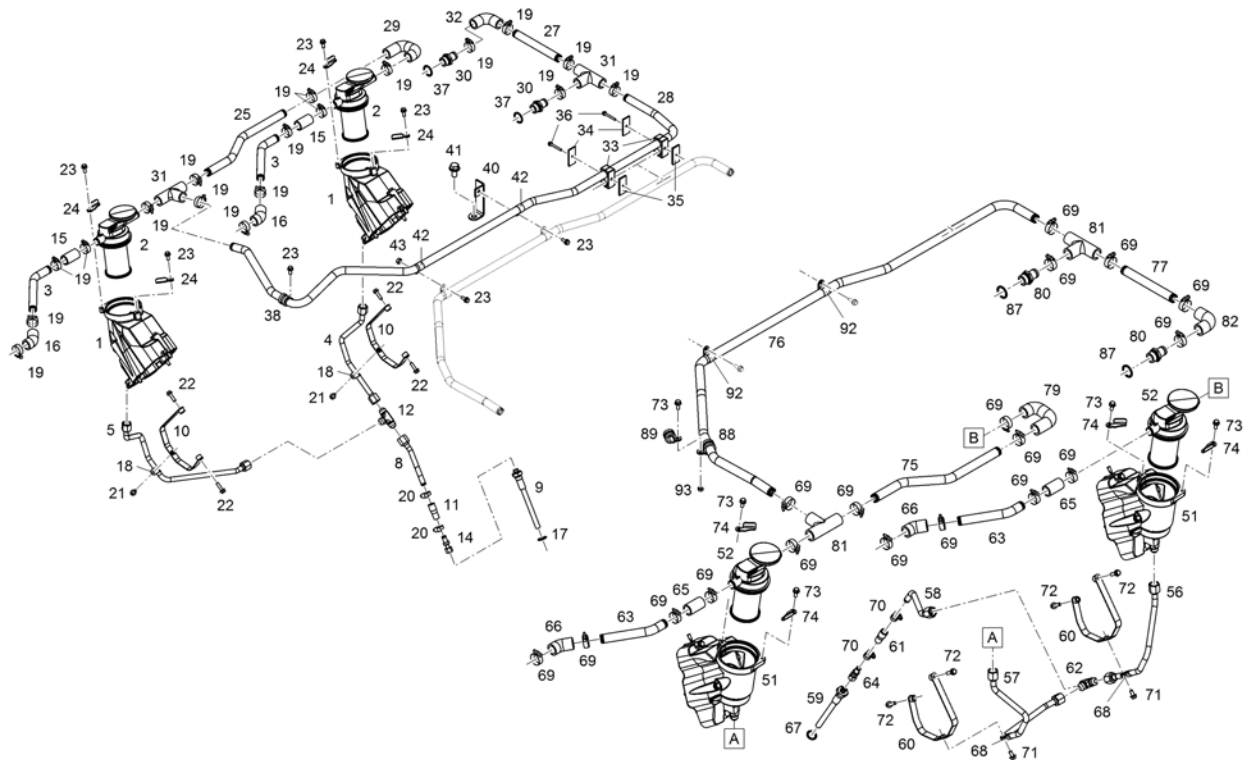
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1	230611006	-	Cylinder head cover assembly	2	UN		17
2	230611008	-	Oil separator	2	UN		18
3	230610624	-	Tube	2	UN		
4	230610625	-	Oil line	1	UN		
5	230610626	-	Oil line	1	UN		
8	230610629	-	Oil line	1	UN		
9	230610623	-	Oil line	1	UN		
10	230610630	-	Console	2	UN		
11	230610512	-	Rubber connection	1	UN		
12	230610937	-	Flange joint	1	UN		
14	230610500	-	Non-return valve	1	UN		
15	230610449	-	Rubber connection	2	UN		
16	230610453	-	Rubber connection	2	UN		
17	230610057	-	Sealing ring	1	UN		
18	230610718	-	Clamp	2	UN		
19	230610085	-	Hose clamp	18	UN		



Crankcase breather assembly

230610586

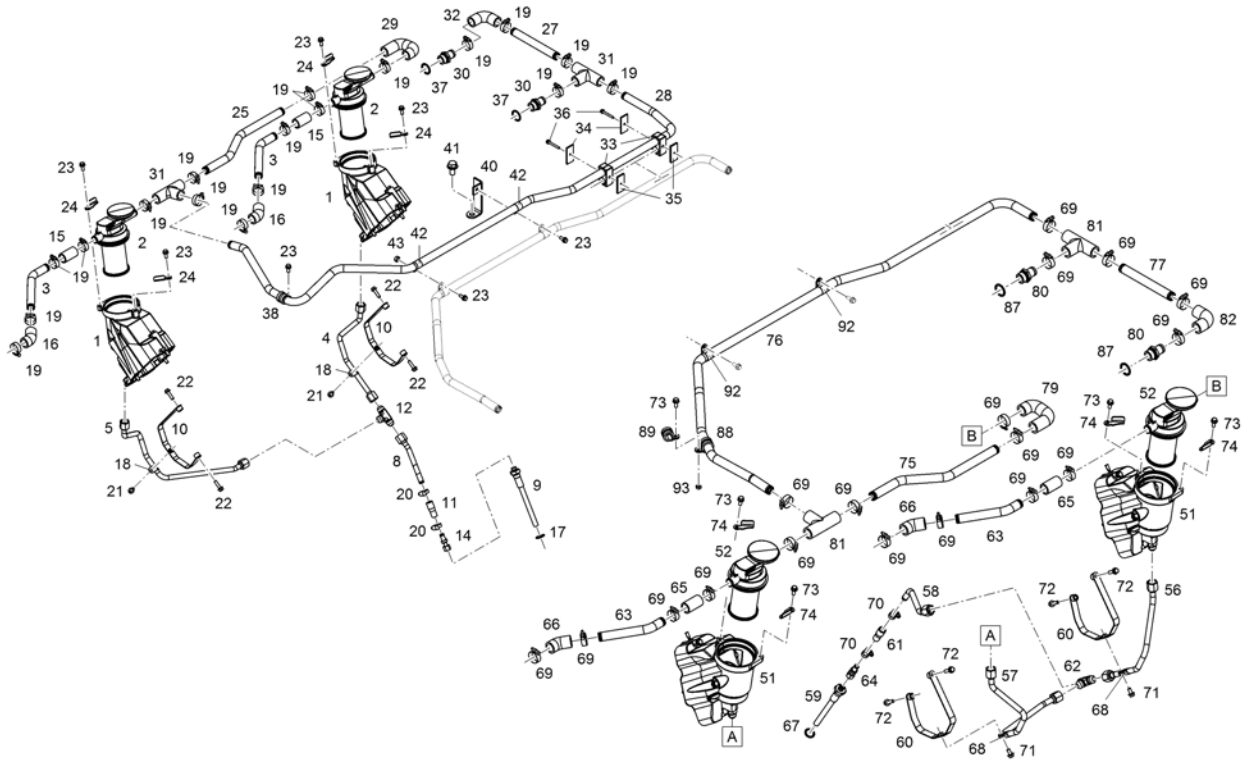
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21	230610314	-	Hex screw	2	UN			
22	230610322	-	Hex screw	4	UN			
23	230610319	-	Hex screw	7	UN			
24	230610538	-	Holder	4	UN			
25	230610879	-	Tube	1	UN			
27	230610881	-	Tube	1	UN			
28	230610882	-	Tube	1	UN			
29	230610531	-	Rubber connection	1	UN			
30	230610452	-	Hose nipple	2	UN			
31	230610518	-	Rubber connection	2	UN			
32	230610455	-	Rubber connection	1	UN			
33	230610725	-	Pipe clamp	2	UN			
34	230610494	-	Support plate	2	UN			
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36	230610320	-	Hex screw	2	UN			



Crankcase breather assembly

230610586

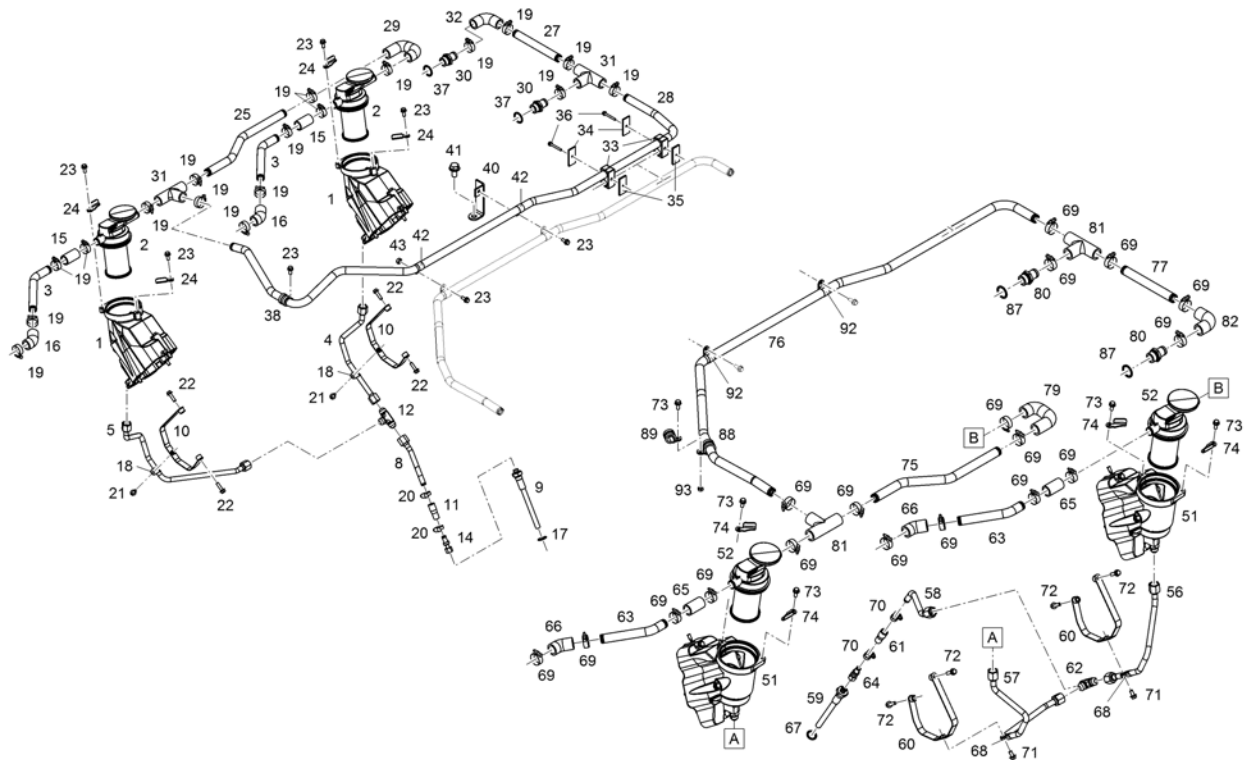
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40	230610883	-	Holder	1	UN			
41	230610948	-	Hex screw	1	UN			
42	230610422	-	Clamp	2	UN			
43	230610372	-	Hex nut	1	UN			
51	230610537	-	Cylinder head cover assembly	2	UN			20
52	230611008	-	Oil separator	2	UN			18
56	230610627	-	Oil line	1	UN			
57	230610628	-	Oil line	1	UN			
58	230610629	-	Oil line	1	UN			
59	230610623	-	Oil line	1	UN			
60	230610630	-	Console	2	UN			
61	230610512	-	Rubber connection	1	UN			
62	230610937	-	Flange joint	1	UN			
63	230610631	-	Tube	2	UN			



Crankcase breather assembly

230610586

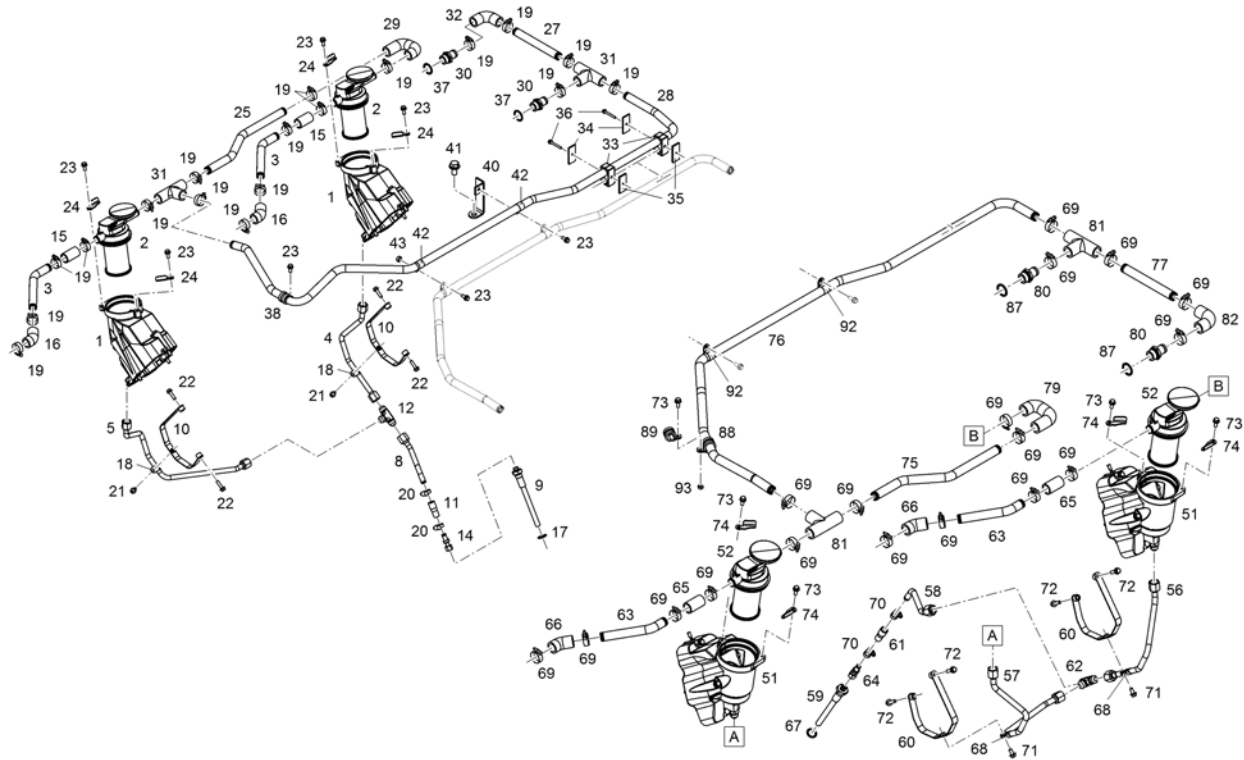
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65	230610449	-	Rubber connection	2	UN			
66	230610453	-	Rubber connection	2	UN			
67	230610057	-	Sealing ring	1	UN			
68	230610718	-	Clamp	2	UN			
69	230610085	-	Hose clamp	18	UN			
70	230610384	-	Clamp	2	UN			
71	230610314	-	Hex screw	2	UN			
72	230610322	-	Hex screw	4	UN			
73	230610319	-	Hex screw	5	UN			
74	230610538	-	Holder	4	UN			
75	230610879	-	Tube	1	UN			
76	230610880	-	Tube	1	UN			
77	230610881	-	Tube	1	UN			
79	230610531	-	Rubber connection	1	UN			
80	230610452	-	Hose nipple	2	UN			



Crankcase breather assembly

230610586

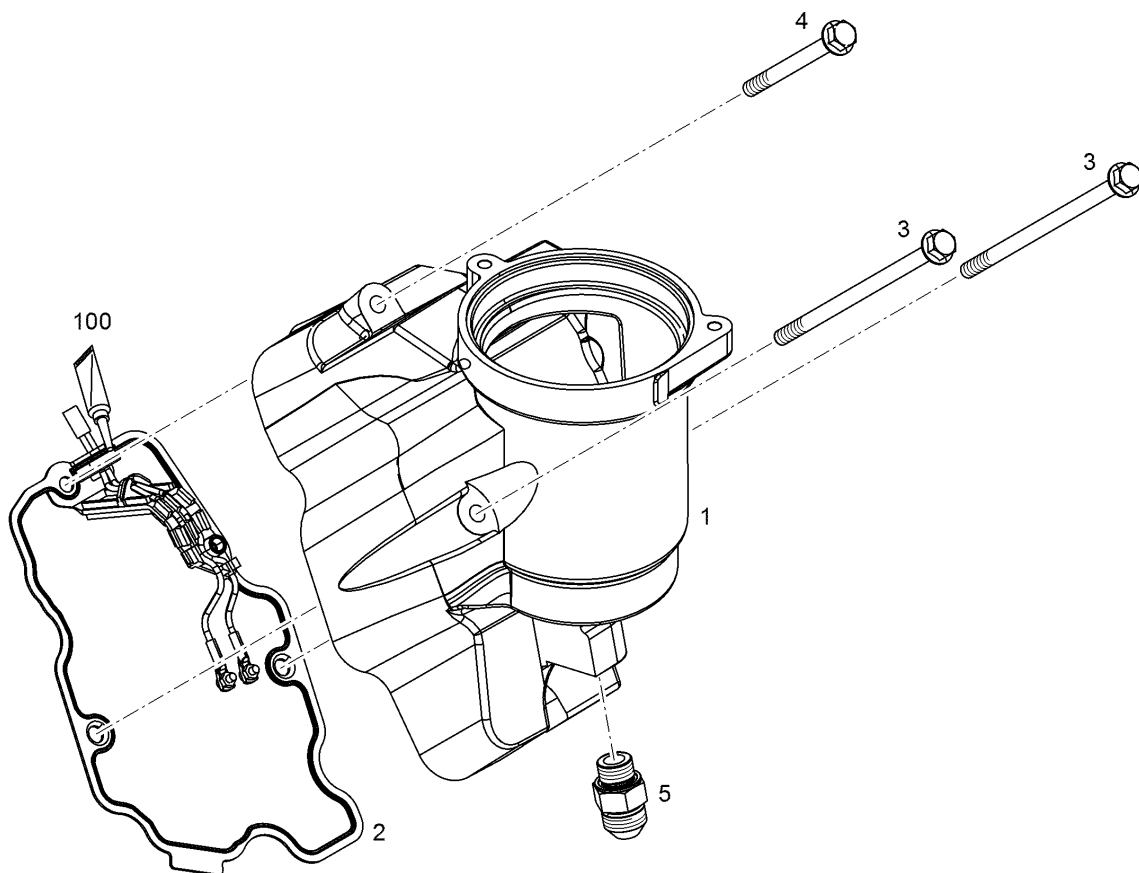
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87	230610054	-	Sealing ring	2	UN			
88	230610426	-	Clamp	1	UN			
89	230610425	-	Clamp	1	UN			
92	230610422	-	Clamp	2	UN			
93	230610372	-	Hex nut	1	UN			



Cylinder head cover assembly

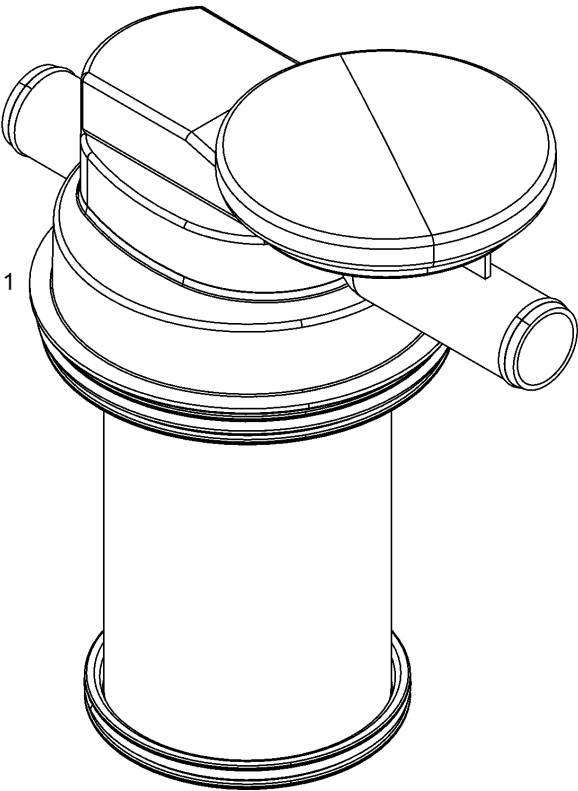
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2	230610191	-	Seal	1	UN		
3	230612330	-	Hex screw	2	UN		
4	230612331	-	Hex screw	1	UN		
5	230610245	-	Flange joint	1	UN		
100	230611882	-	Lubricant paste	1	UN		



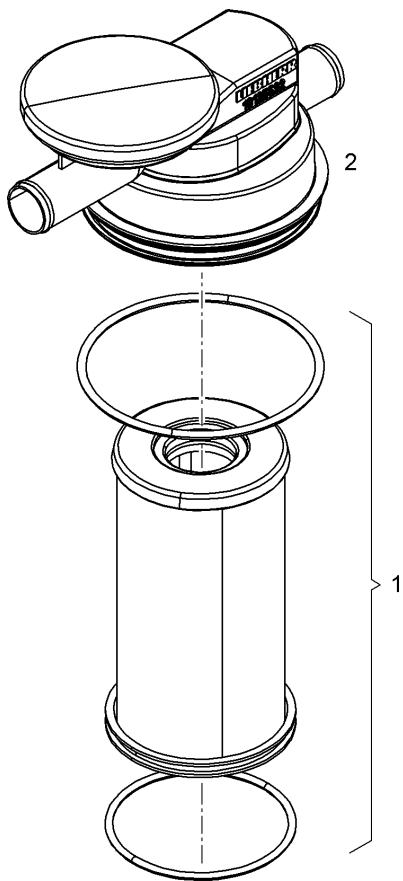
Oil separator
230611008

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Oil separator
230610772

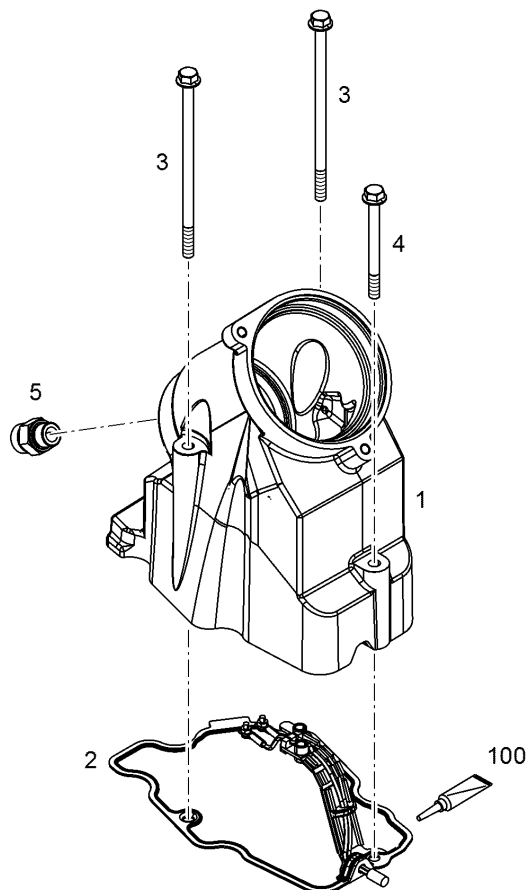
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2	230610514	-	Regulating valve	1	UN		



Cylinder head cover assembly

230610537

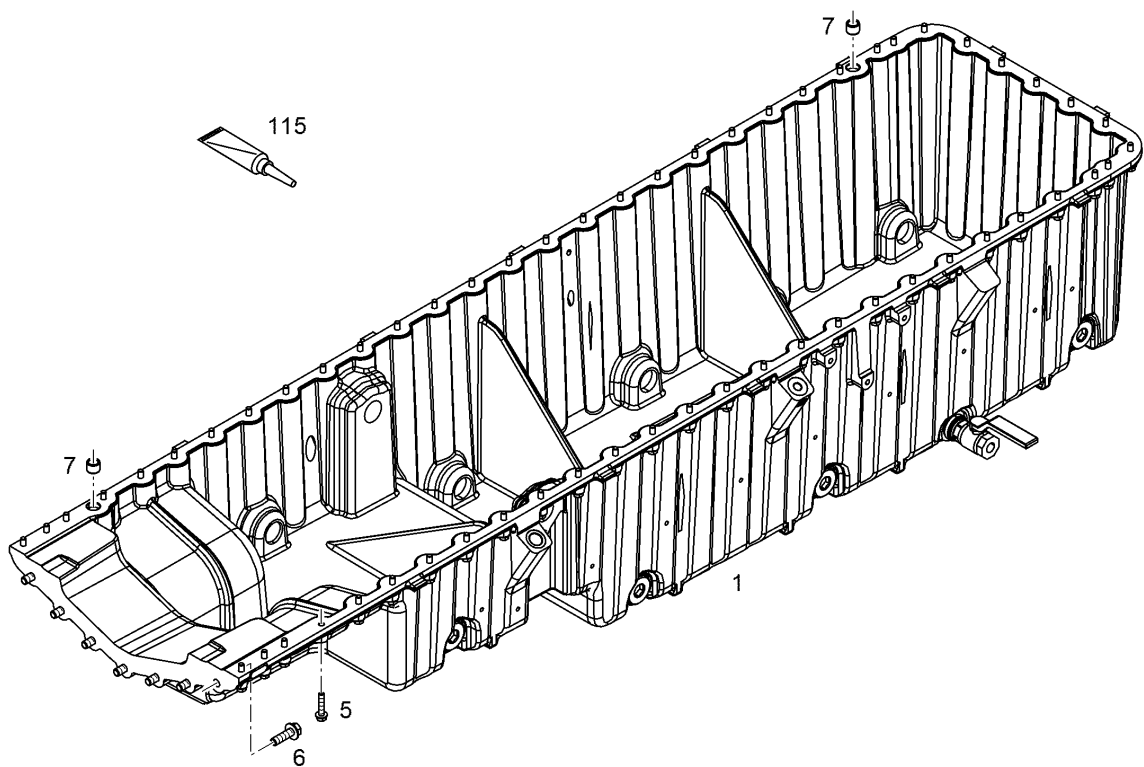
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3	230610723	-	Hex screw	2	UN		
4	230610486	-	Hex screw	1	UN		
5	230610245	-	Flange joint	1	UN		



Oil sump with fastening

230610781

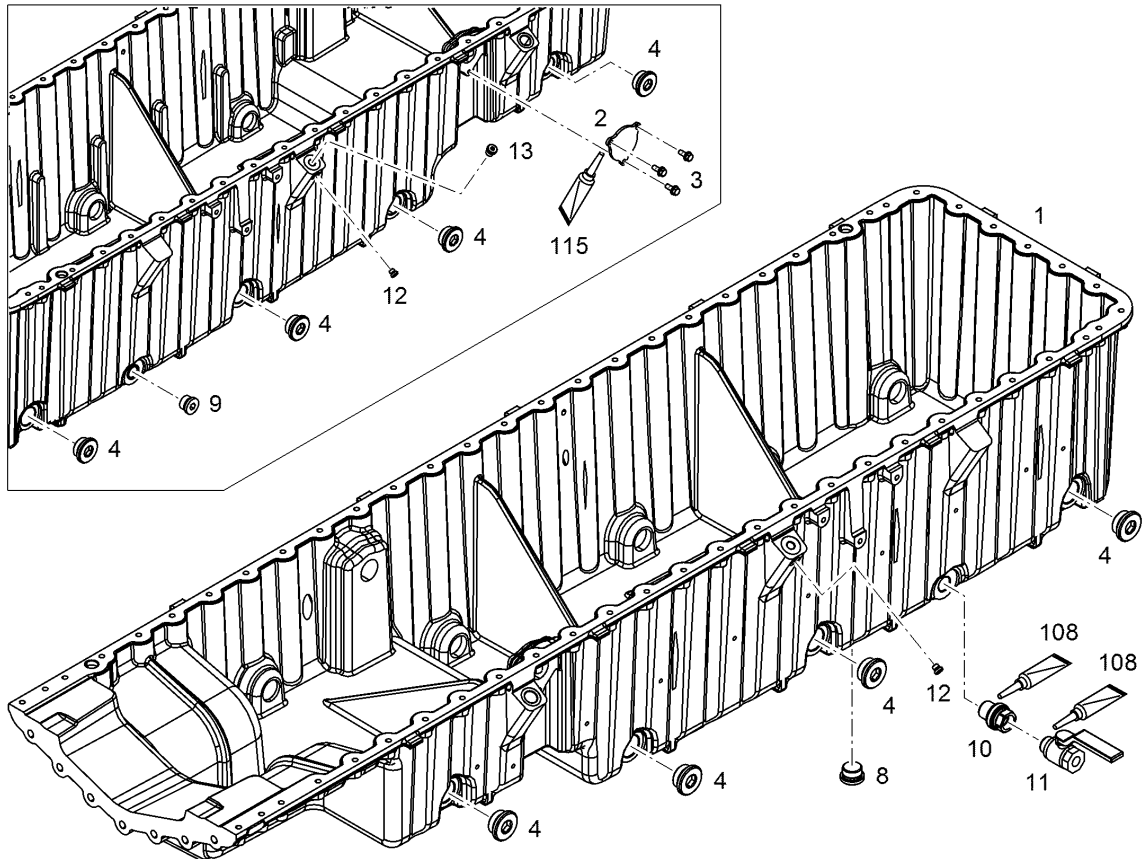
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5	230610324	-	Hex screw	59	UN			
6	230610485	-	Hex screw	7	UN			
7	230610446	-	Tight fit sleeve	2	UN			
115	230610710	-	Surface sealing	1	UN			



Oil sump

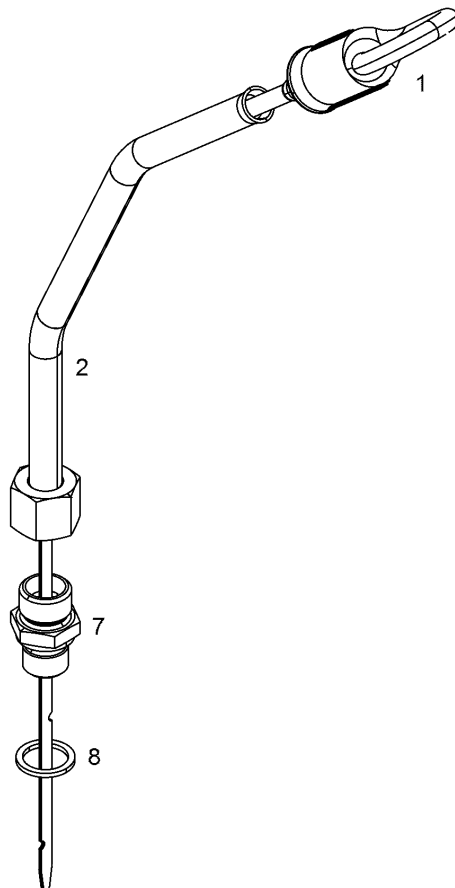
230610816

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610782	-	Oil sump	1	UN			
2	230610602	-	Plate	1	UN			
3	230610319	-	Hex screw	3	UN			
4	230610070	-	Screw plug	8	UN			
8	230610071	-	Screw plug	1	UN			
9	230610067	-	Screw plug	1	UN			
10	230610252	-	Double nipple	1	UN			
11	230610274	-	Shut-off valve	1	UN			
12	230610063	-	Screw plug	2	UN			
13	230610064	-	Screw plug	1	UN			
108	230611016	-	Sealing compound	1	UN			
115	230610710	-	Surface sealing	1	UN			



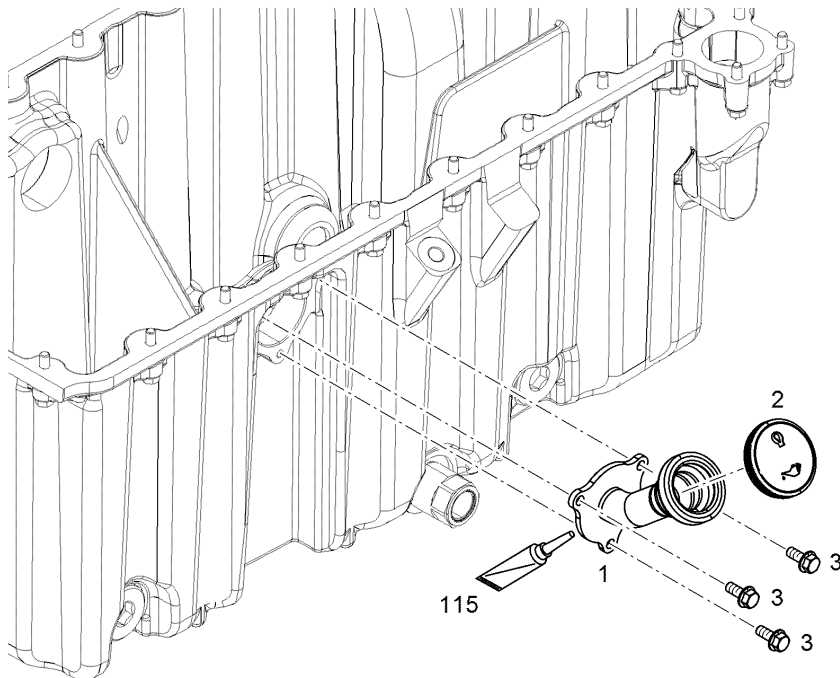
Oil dipstick cpl. 230610185

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610495	-	Oil dipstick	1	UN		
2	230610546	-	Guiding pipe	1	UN		
7	230610442	-	Fittings	1	UN		
8	230610409	-	Sealing ring	1	UN		



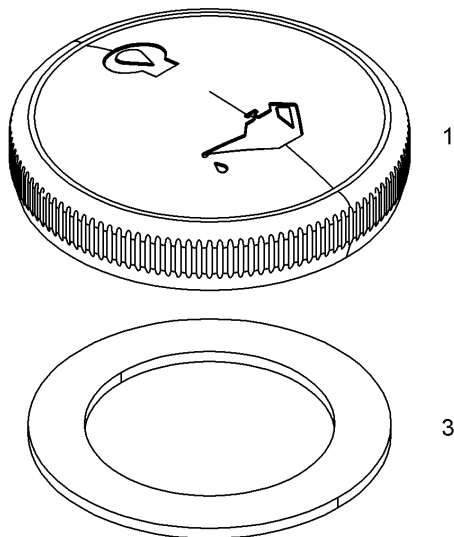
Oil filler inlet 230610257

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610683	-	Filler neck	1	UN		
2	230610152	-	End cover	1	UN		25
3	230610318	-	Hex screw	3	UN		
115	230610710	-	Surface sealing	1	UN		



End cover
230610152

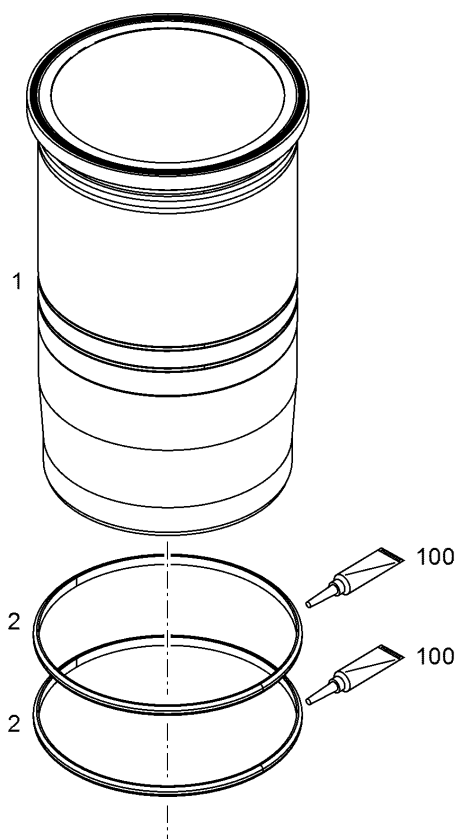
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610444	-	Cover	1	UN		
3	230610445	-	Seal	1	UN		



Cylinder

230610155

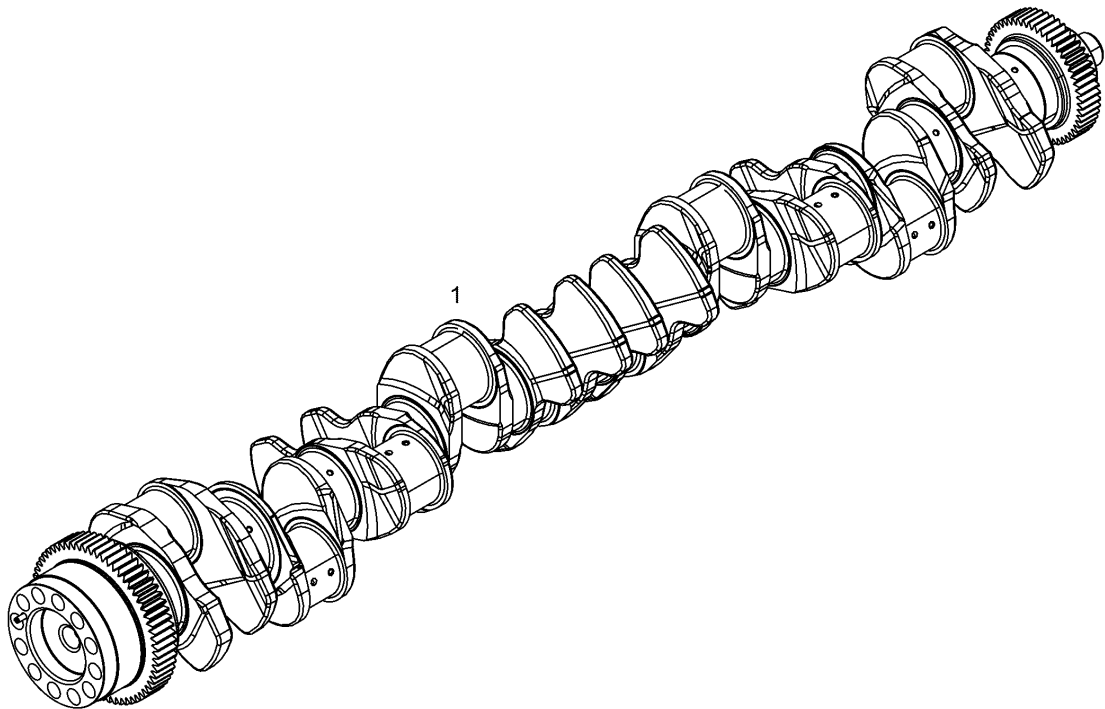
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610877	-	Cylinder liner	1	UN		
2	230611456	-	O-ring	2	UN		
100	230610702	-	Grease	1	UN		7



Crankshaft

230611007

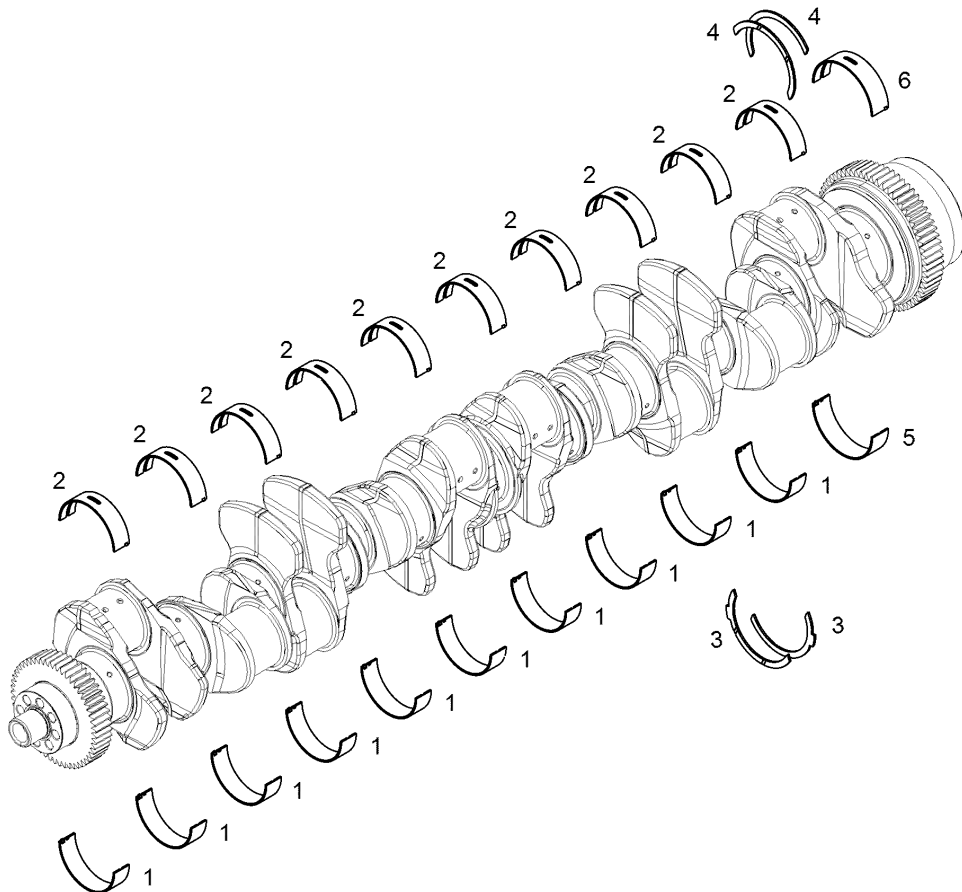
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610955	-	Crankshaft	1	UN		



Crankshaft bearings

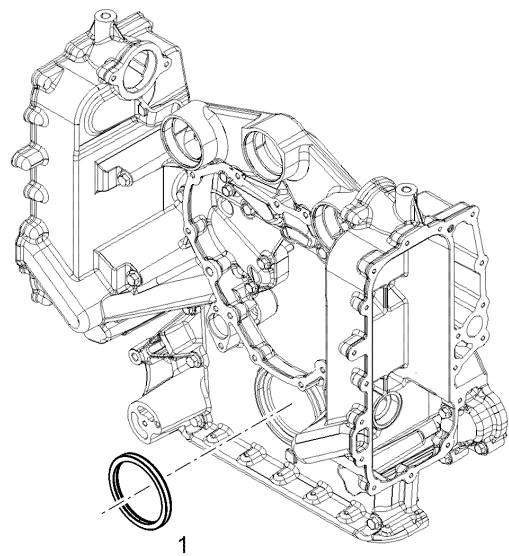
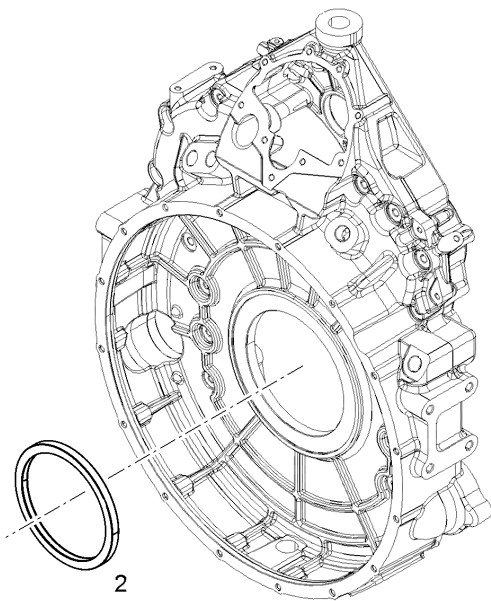
230610780

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610560	-	Main bearing	10	UN		
2	230610561	-	Main bearing	10	UN		
3	230610583	-	Thrust washer	2	UN		
4	230610584	-	Thrust washer	2	UN		
5	230610564	-	Main bearing	1	UN		
6	230610565	-	Main bearing	1	UN		



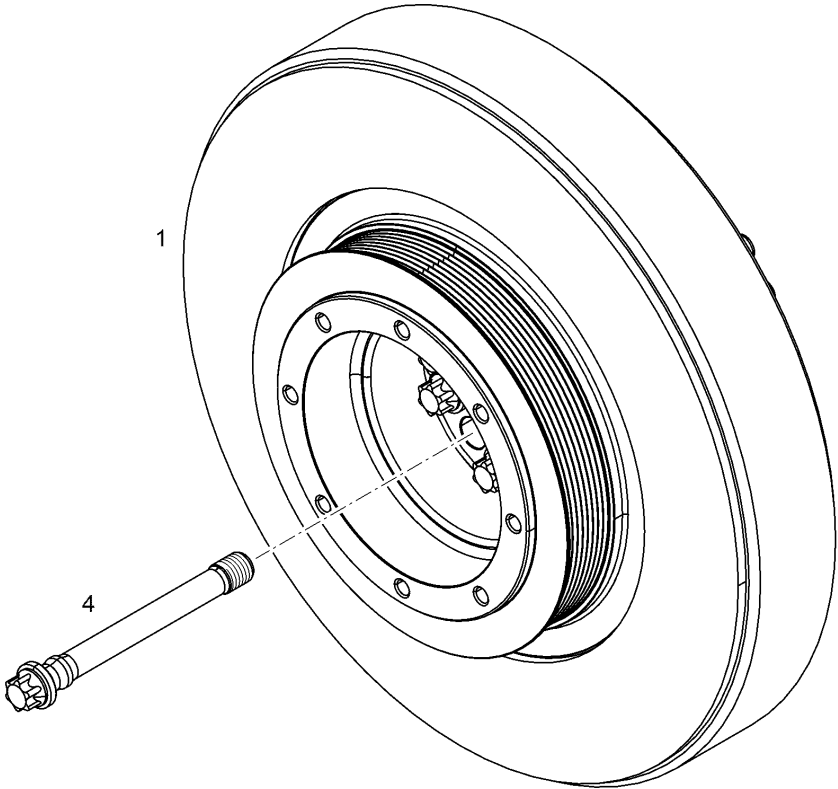
Crankshaft sealing
230610585

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610196	-	Rotary shaft lip seal	1	UN		
2	230611963	-	Lipseal	1	UN		



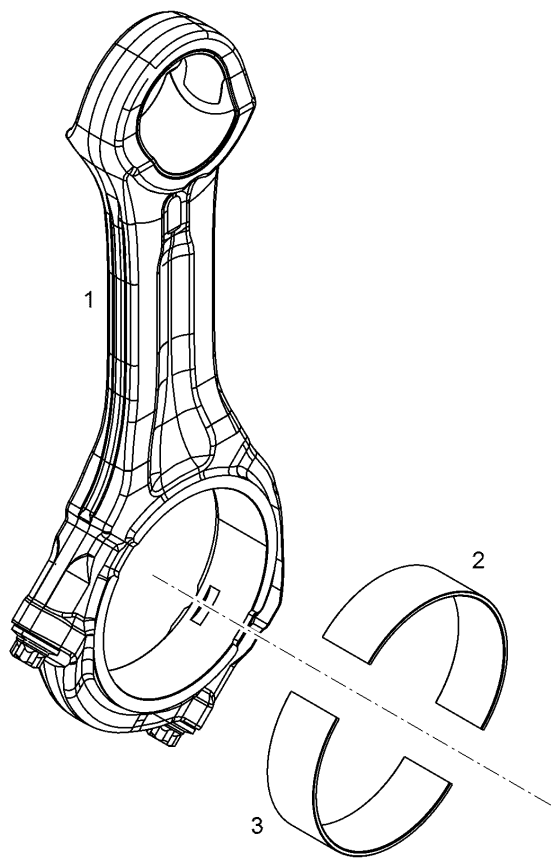
Driving parts
230610753

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610590	-	Viscose damper	1	UN			
4	230610547	-	Hexalobular head screw	10	UN			



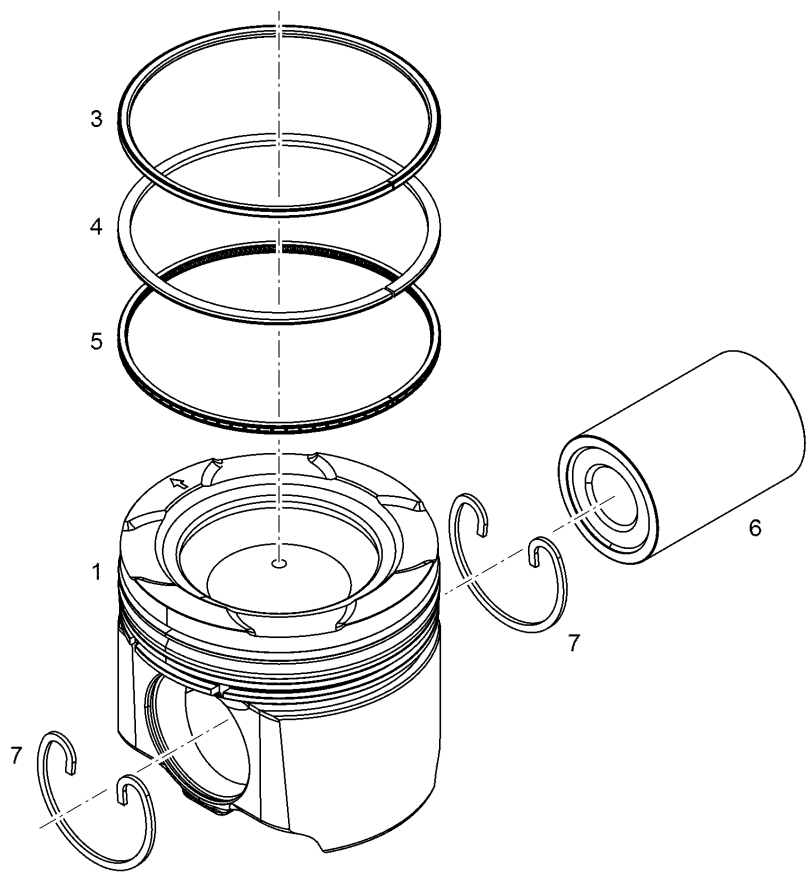
Connecting rod assembly
230610060

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610557	-	Connecting rod pre-assy.	1	UN		
2	230610559	-	Connecting rod bearing	1	UN		
3	230610558	-	Connecting rod bearing	1	UN		



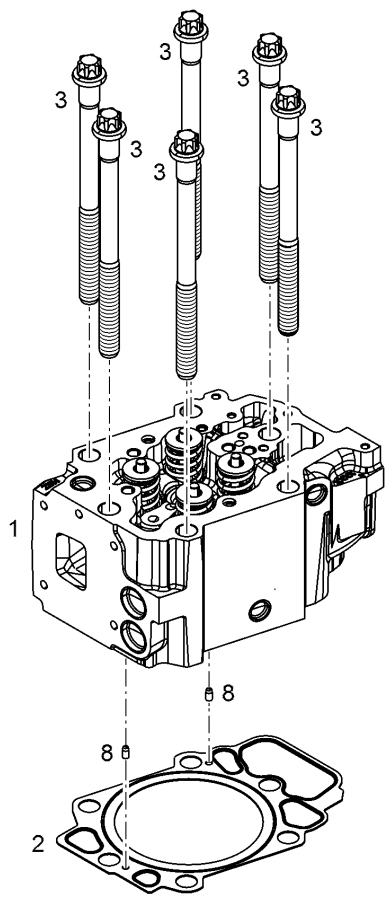
Piston cpl. 230610224

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610847	-	Piston	1	UN		
3	230610268	-	Kb-ring	1	UN		
4	230610267	-	Piston ring mg	1	UN		
5	230610266	-	Dsf ring	1	UN		
6	230610588	-	Piston bolt	1	UN		
7	230610050	-	Locking ring	2	UN		



Cylinder head assembly
230610153

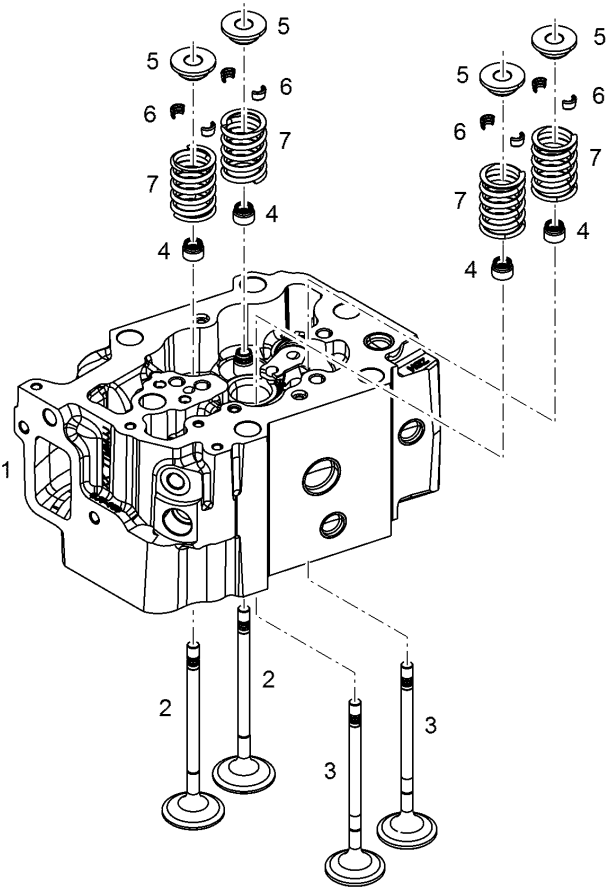
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610919	-	Cylinder head pre-assy.	1	UN		34
2	230610190	-	Cylinder head gasket	1	UN		
3	230610363	-	Cylinder screw	6	UN		
8	230610181	-	Parallel pin	2	UN		



Cylinder head pre-assy.

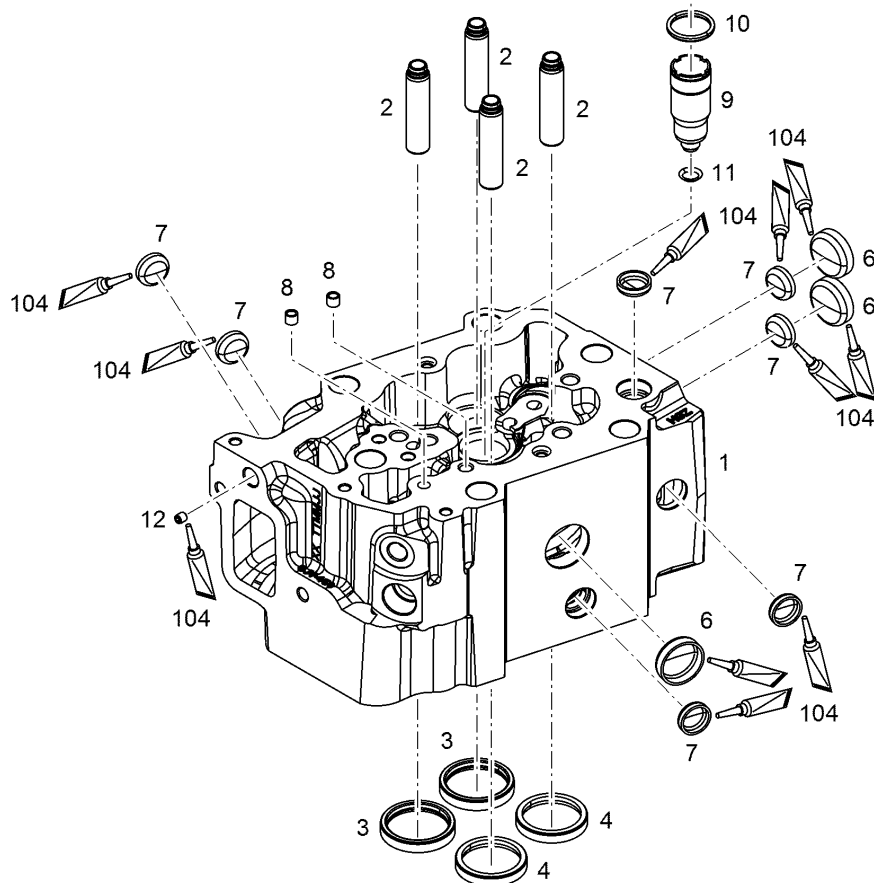
230610919

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610918	-	Cylinder head	1	UN		35
2	230610848	-	Inlet valve	2	UN		
3	230610552	-	Outlet valve	2	UN		
4	230610504	-	Valve stem seal ring	4	UN		
5	230610435	-	Spring support	4	UN		
6	230610777	-	Valve collet	8	UN		
7	230610463	-	Valve spring	4	UN		



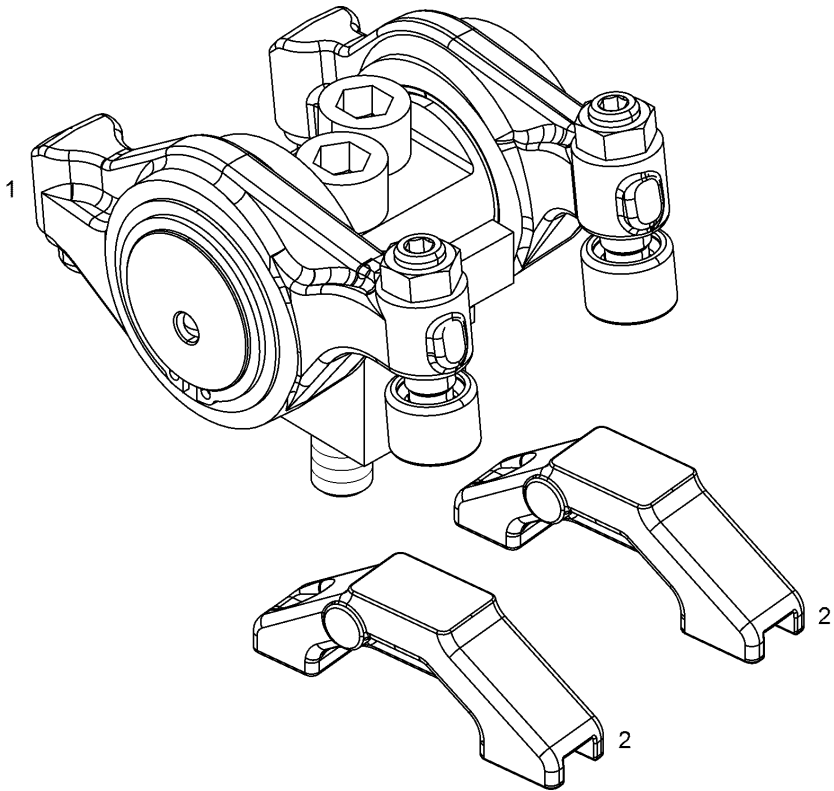
Cylinder head 230610918

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610895	-	Cylinder head	1	UN		
2	230610593	-	Valve stem guide	4	UN		
3	230610890	-	Inlet valve seat insert	2	UN		
4	230610554	-	Exhaust valve seat insert	2	UN		
6	230610397	-	End cover	3	UN		
7	230610398	-	End cover	7	UN		
8	230610477	-	Sealing plug	2	UN		
9	230610647	-	Sleeve	1	UN		
10	230610709	-	O-ring	1	UN		
11	230610441	-	O-ring	1	UN		
12	230610428	-	Nozzle	1	UN		
104	230611018	-	Glue	1	UN		



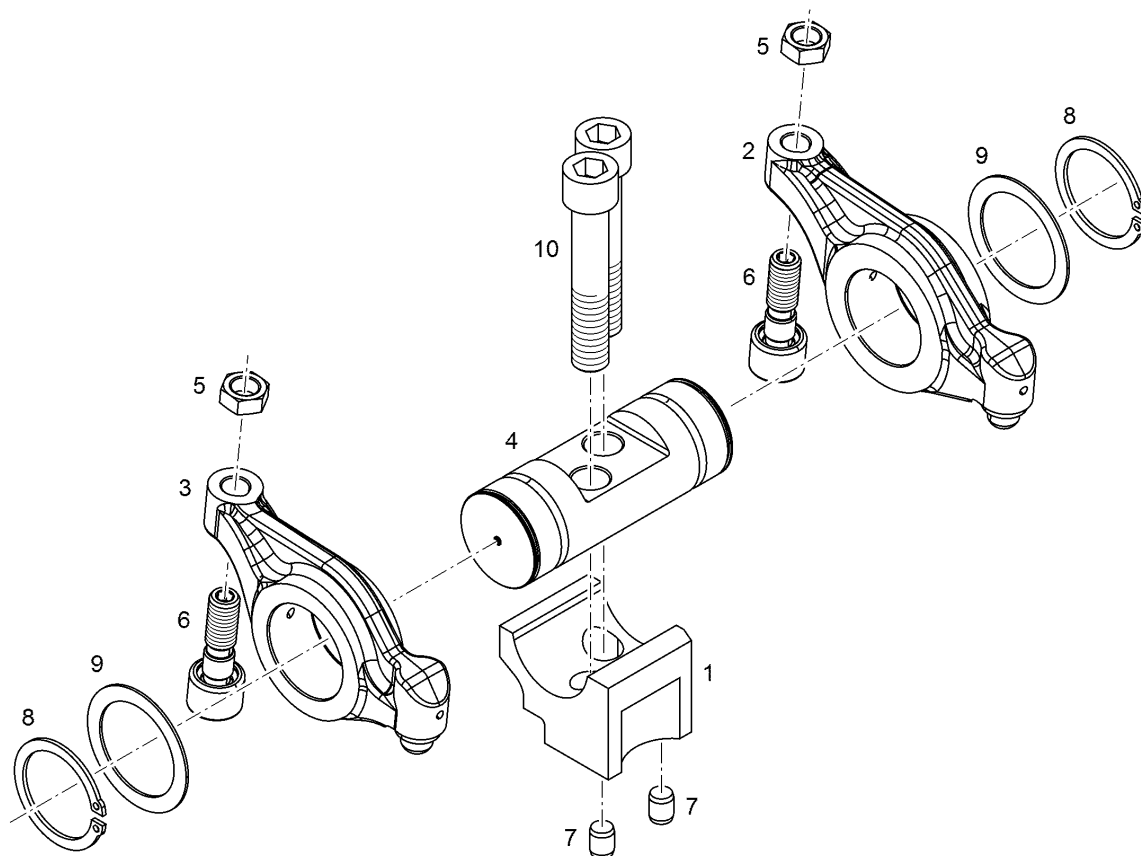
Rocker arms device cpl.
230610160

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610660	-	Rocker arm bracket pre-ass.	1	UN		37
2	230610697	-	Valve bridge	2	UN		



Rocker arm bracket pre-ass. 230610660

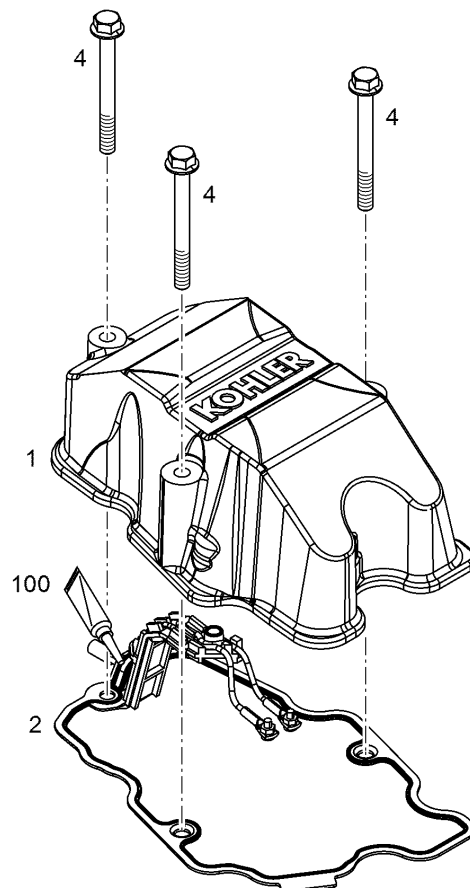
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610759	-	Rocker arm support	1	UN			
2	230610762	-	Rocker arm	1	UN			
3	230610761	-	Rocker arm	1	UN			
4	230610763	-	Rocker axle pre-ass.	1	UN			
5	230610654	-	Hex nut	2	UN			
6	230610655	-	Adjusting screw	2	UN			
7	230610947	-	Parallel pin	2	UN			
8	230611013	-	Locking ring	2	UN			
9	230610656	-	Washer	2	UN			
10	230610708	-	Socket head screw	2	UN			



Cylinder head cover assembly

230610073

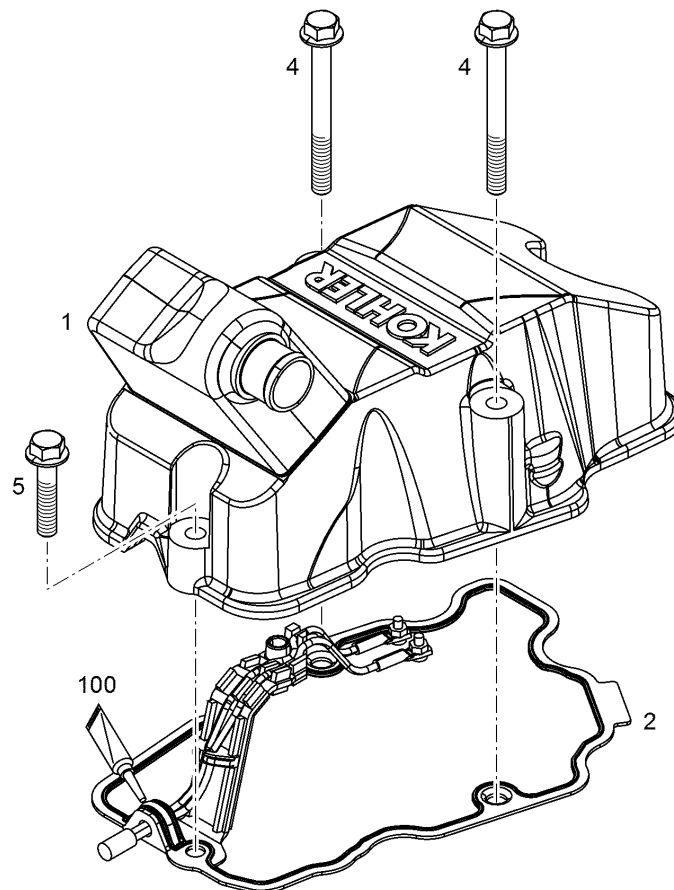
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612269	-	Cylinder head cover	1	UN		
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	3	UN		
100	230611882	-	Lubricant paste	1	UN		



Cylinder head cover assembly

230610589

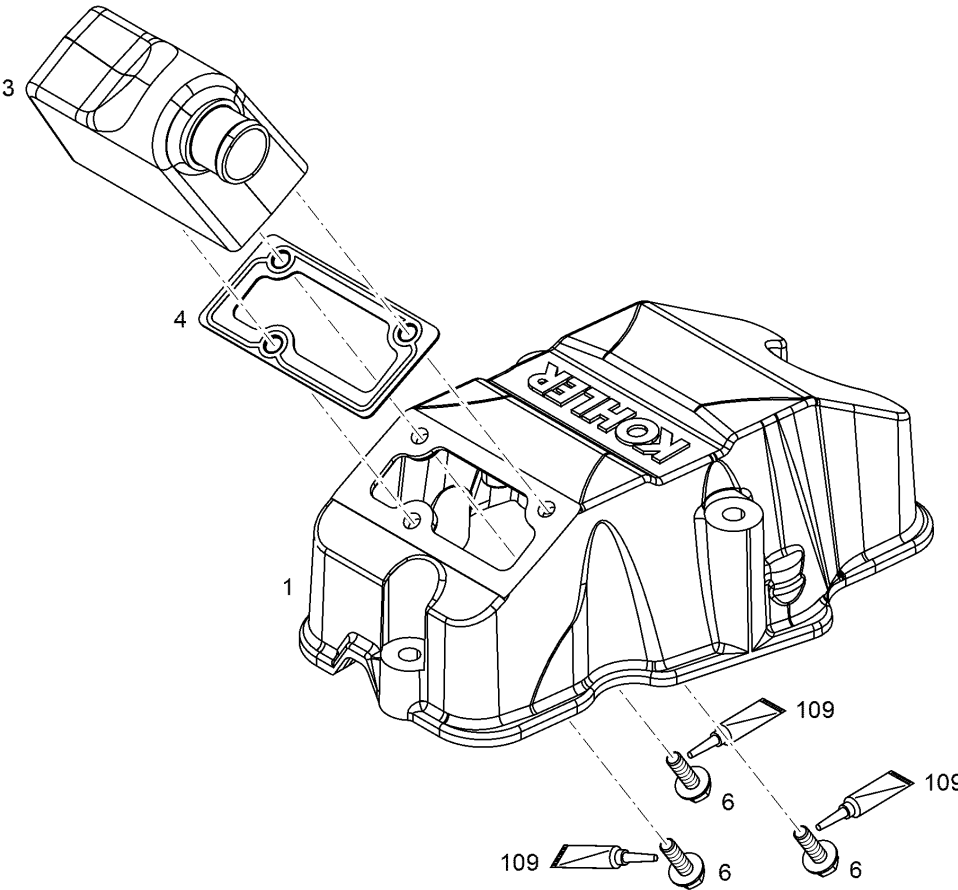
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610809	-	Cylinder head cover assembly	1	UN		40
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	2	UN		
5	230611473	-	Hex screw	1	UN		
100	230611882	-	Lubricant paste	1	UN		



Cylinder head cover assembly

230610809

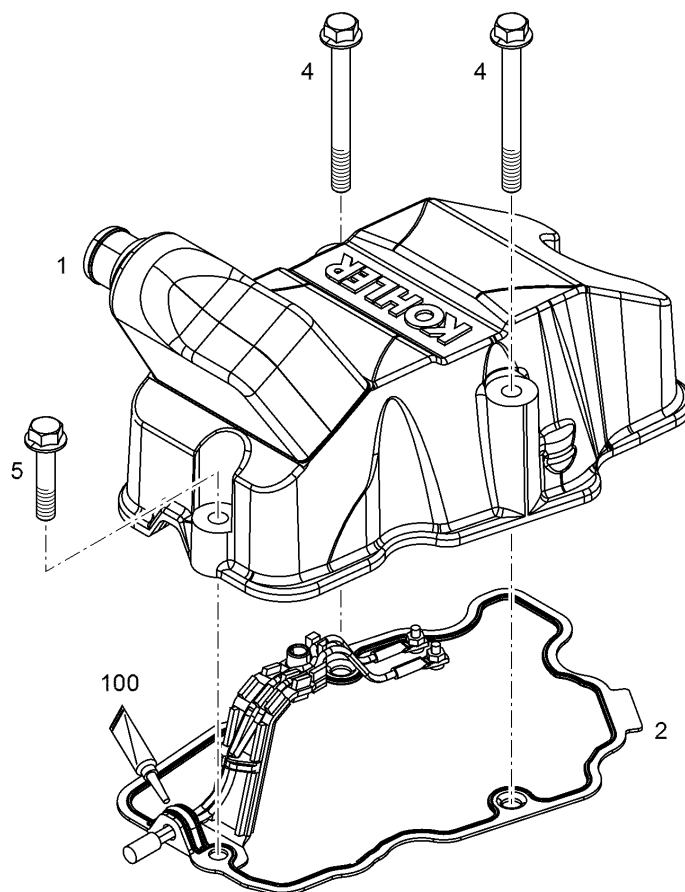
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230612268	-	Cylinder head cover	1	UN			
3	230610509	-	Connection piece	1	UN			
6	230610315	-	Hex screw	3	UN			
109	230611017	-	Screw locking	1	UN			
115	230610710	-	Surface sealing	1	UN			



Cylinder head cover assembly

230610556

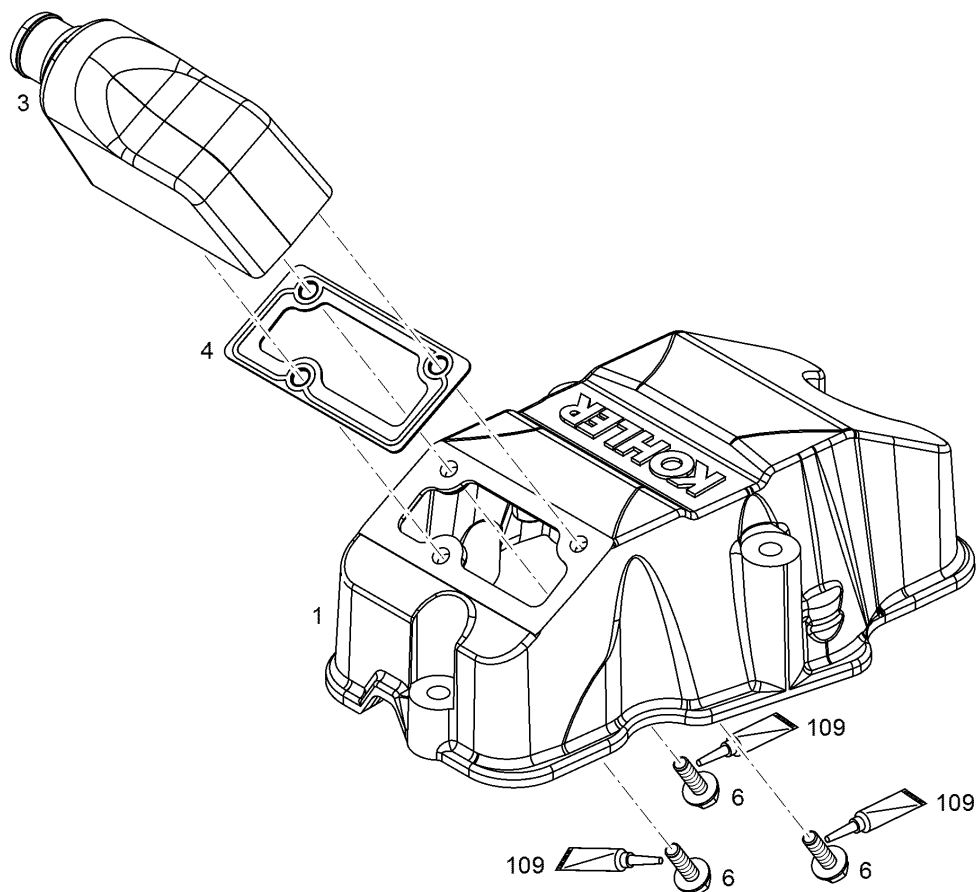
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610808	-	Cylinder head cover assembly	1	UN		42
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	2	UN		
5	230611473	-	Hex screw	1	UN		
100	230611882	-	Lubricant paste	1	UN		



Cylinder head cover assembly

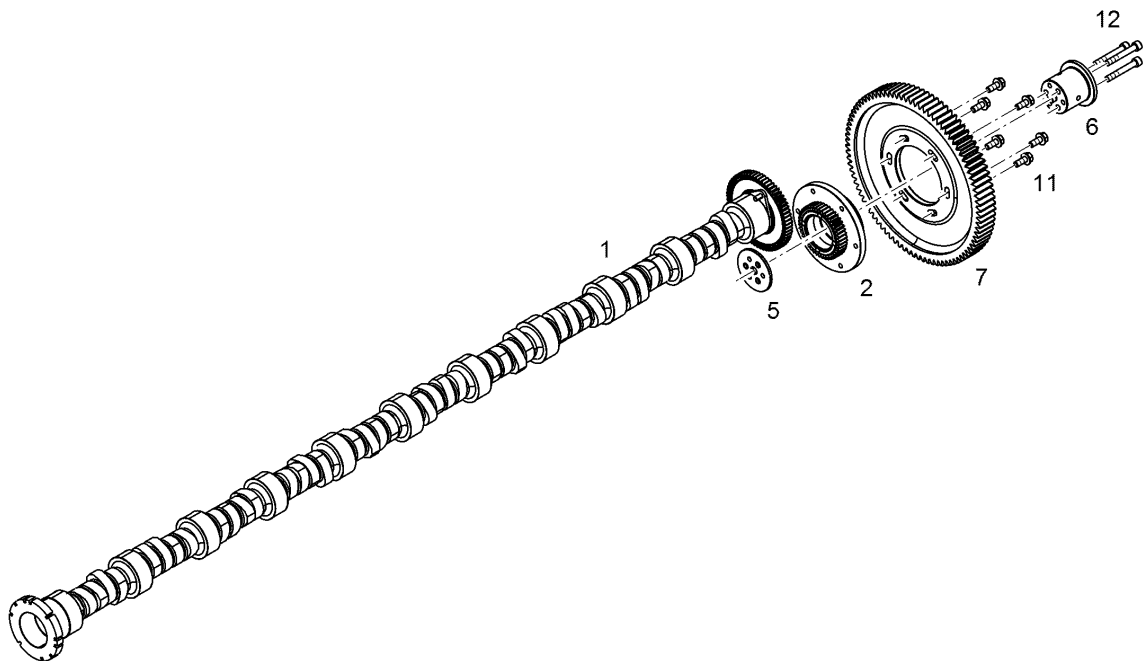
230610808

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230612268	-	Cylinder head cover	1	UN			
3	230610509	-	Connection piece	1	UN			
6	230610315	-	Hex screw	3	UN			
109	230611017	-	Screw locking	1	UN			
115	230610710	-	Surface sealing	1	UN			



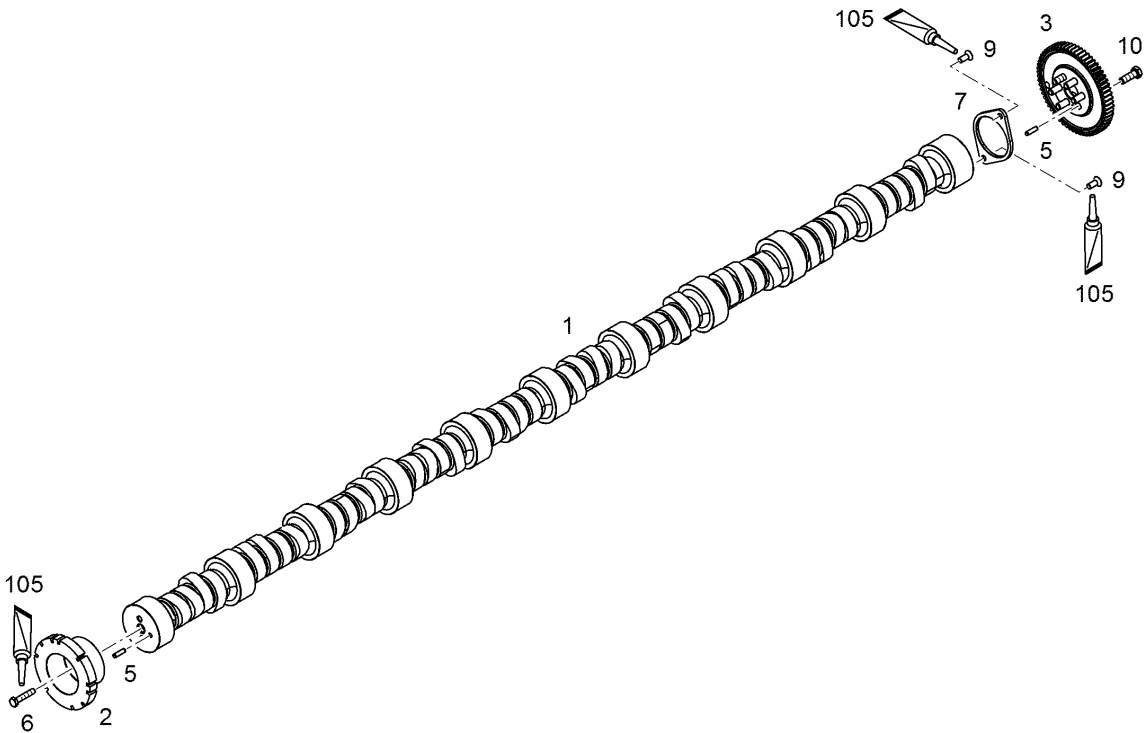
Camshaft cpl. 230610857

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610856	-	Camshaft pre-ass.	1	UN		44
2	230610688	-	Gearwheel pre-ass.	1	UN		
5	230610569	-	Flange	1	UN		
6	230610568	-	Shaft	1	UN		
7	230610693	-	Gear wheel	1	UN		
11	230610469	-	Hex screw	6	UN		
12	230610400	-	Socket head screw	3	UN		



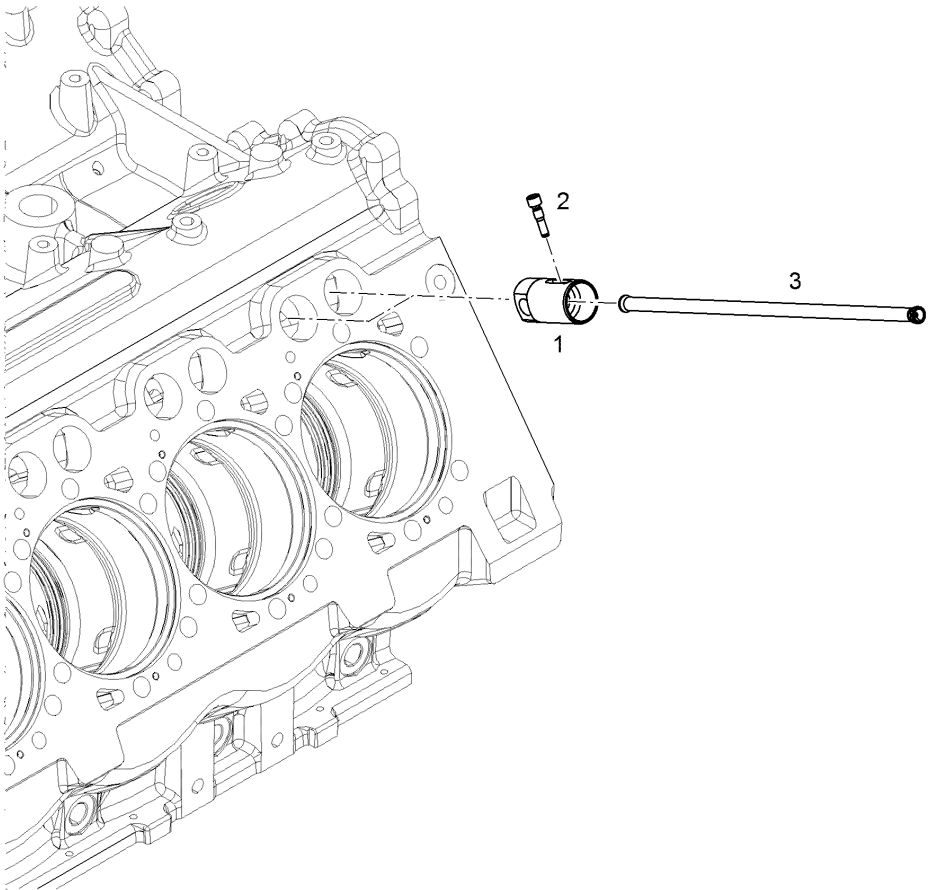
Camshaft pre-ass. 230610856

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610916	-	Camshaft	1	UN		
2	230610846	-	Timing disk	1	UN		
3	230610692	-	Gear wheel	1	UN		
5	230610401	-	Parallel pin	2	UN		
6	230610370	-	Hex screw	1	UN		
7	230610567	-	Bearing flange	1	UN		
9	230610936	-	Countersunk screw	2	UN		
10	230610934	-	Hex screw	6	UN		
105	230611017	-	Screw locking	1	UN		



Control parts
230610587

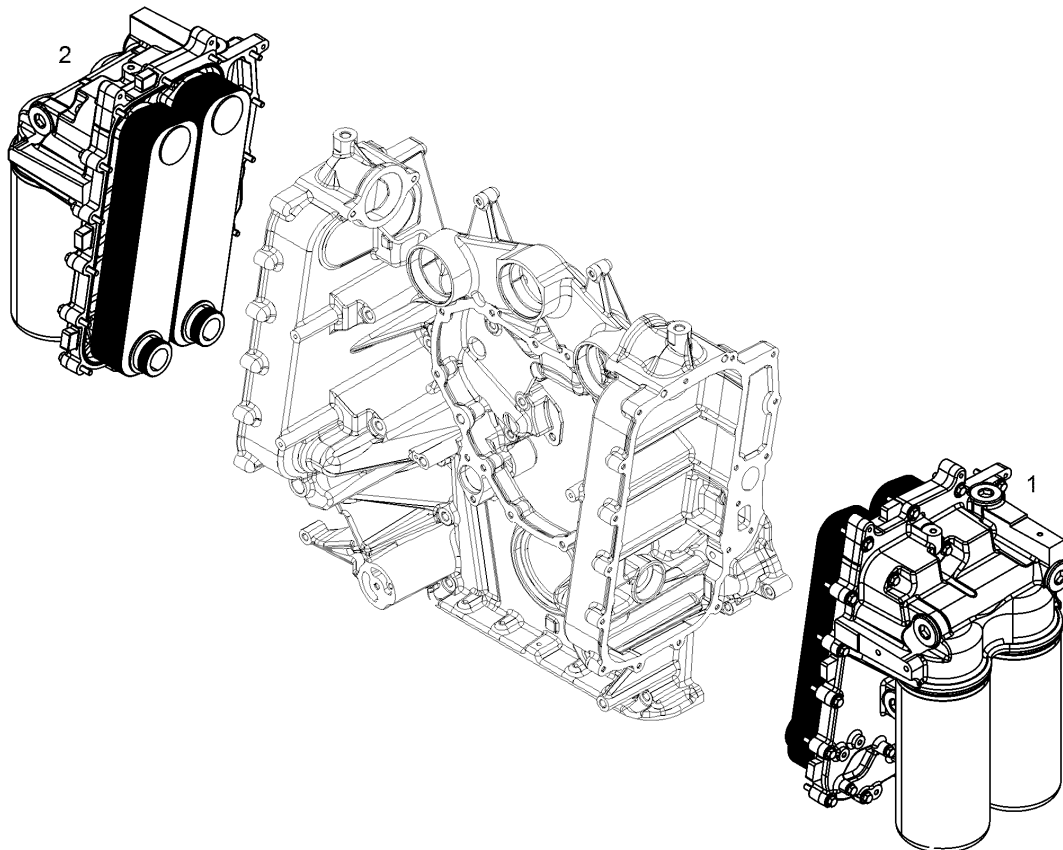
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610239	-	Roller tappet	2	UN			
2	230610594	-	Locking screw	2	UN			
3	230610899	-	Tappet push rod	2	UN			



Oil module assembly

230610743

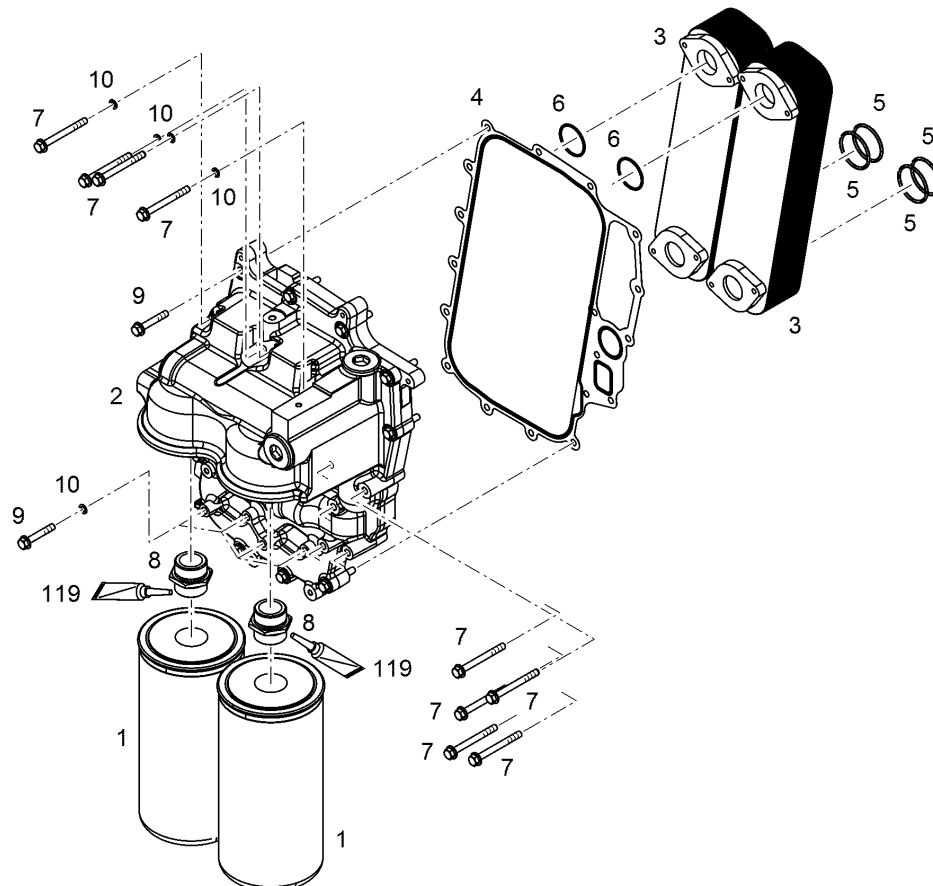
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610744	-	Oil module left	1	UN		47
2	230610745	-	Oil module right	1	UN		49



Oil module left

230610744

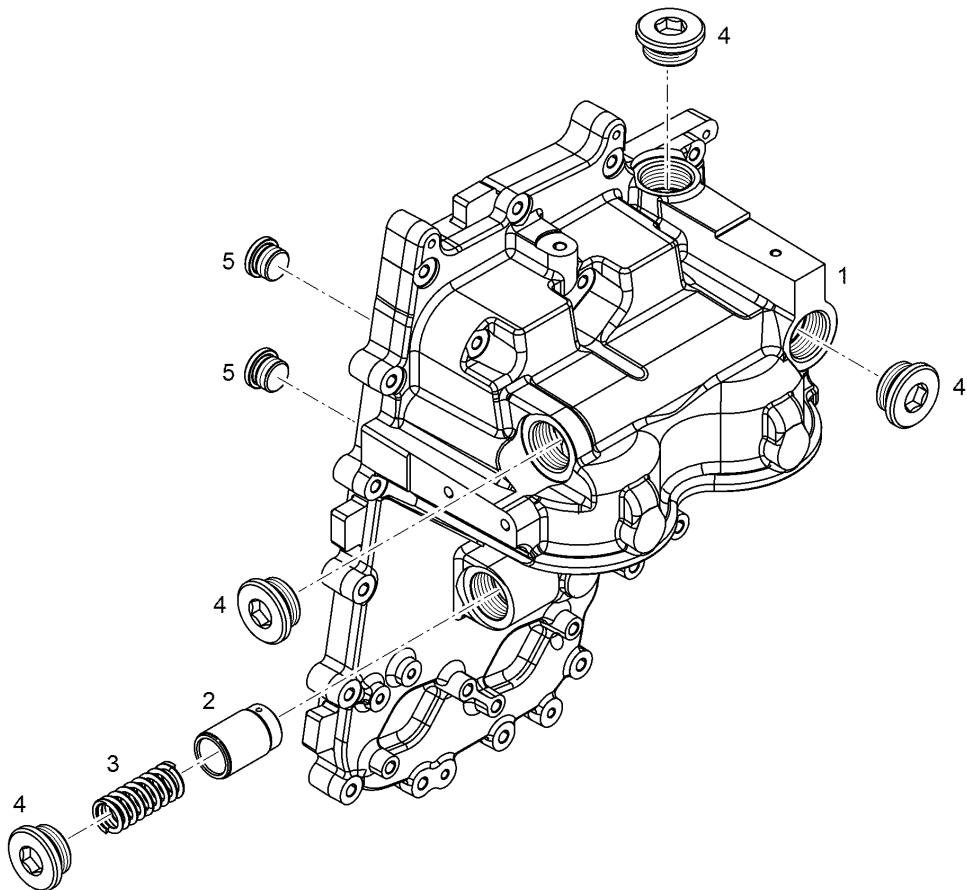
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230510001	-	Oil filter	2	UN		
2	230610983	-	Oil cooler housing	1	UN		48
3	230610754	-	Oil cooler	2	UN		
4	230610746	-	Seal	1	UN		
5	230610417	-	O-ring	4	UN		
6	230610203	-	O-ring	2	UN		
7	230610333	-	Hex screw	9	UN		
8	230610250	-	Fittings	2	UN		
9	230610326	-	Hex screw	17	UN		
10	230610393	-	Sealing ring	8	UN		
119	230611018	-	Glue	1	UN		



Oil cooler housing

230610983

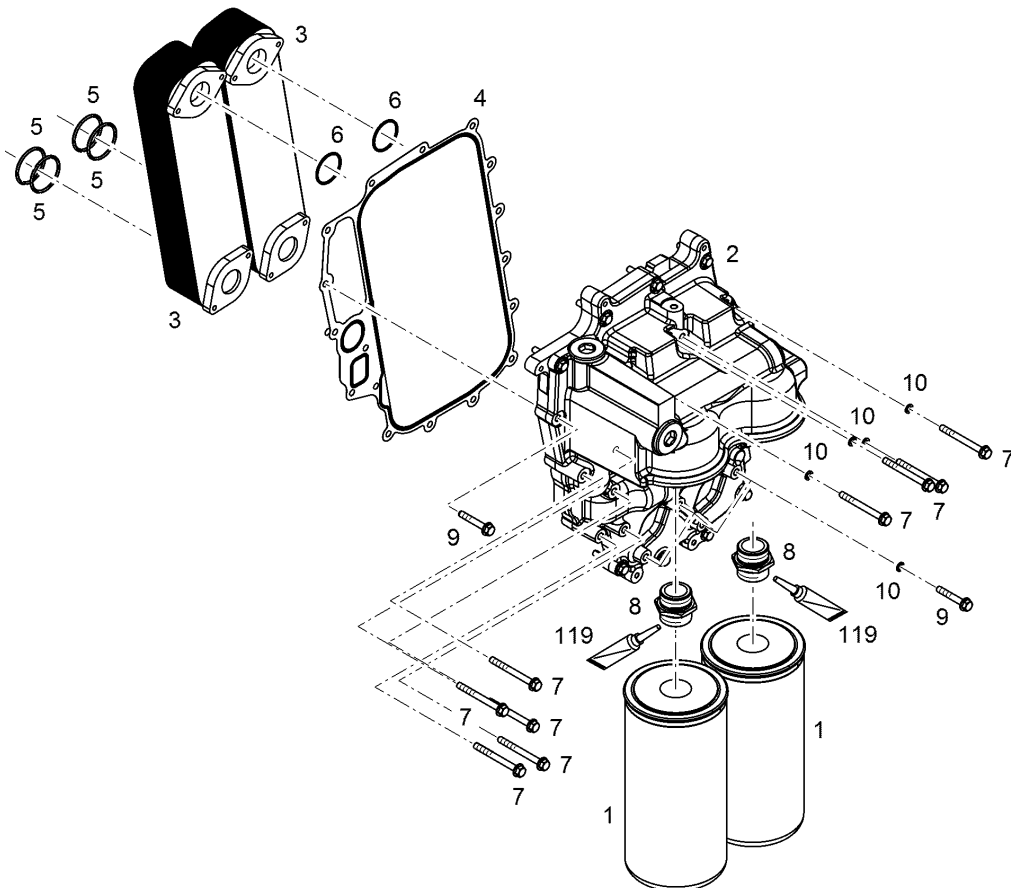
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610963	-	Oil cooler housing	1	UN		
2	230610634	-	Piston	1	UN		
3	230610633	-	Pressure spring	1	UN		
4	230610070	-	Screw plug	4	UN		
5	230610484	-	Screw plug	2	UN		



Oil module right

230610745

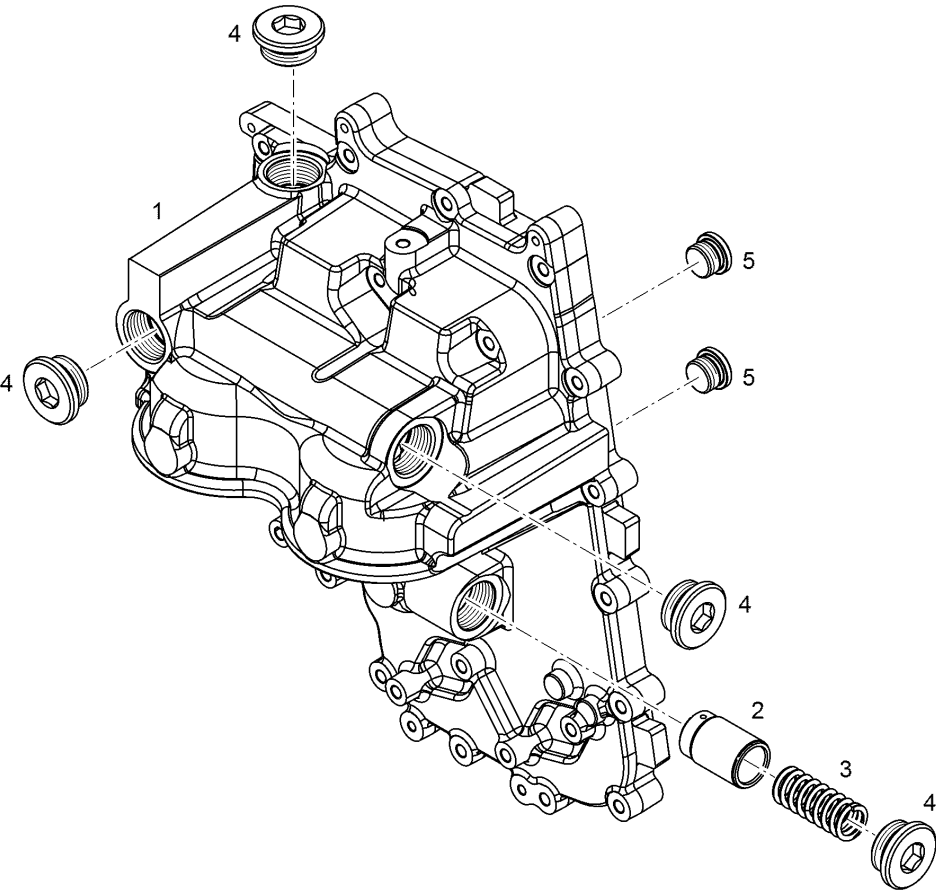
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230510001	-	Oil filter	2	UN		
2	230610984	-	Oil cooler housing	1	UN		50
3	230610754	-	Oil cooler	2	UN		
4	230610746	-	Seal	1	UN		
5	230610417	-	O-ring	4	UN		
6	230610203	-	O-ring	2	UN		
7	230610333	-	Hex screw	9	UN		
8	230610250	-	Fittings	2	UN		
9	230610326	-	Hex screw	17	UN		
10	230610393	-	Sealing ring	8	UN		
119	230611018	-	Glue	1	UN		



Oil cooler housing

230610984

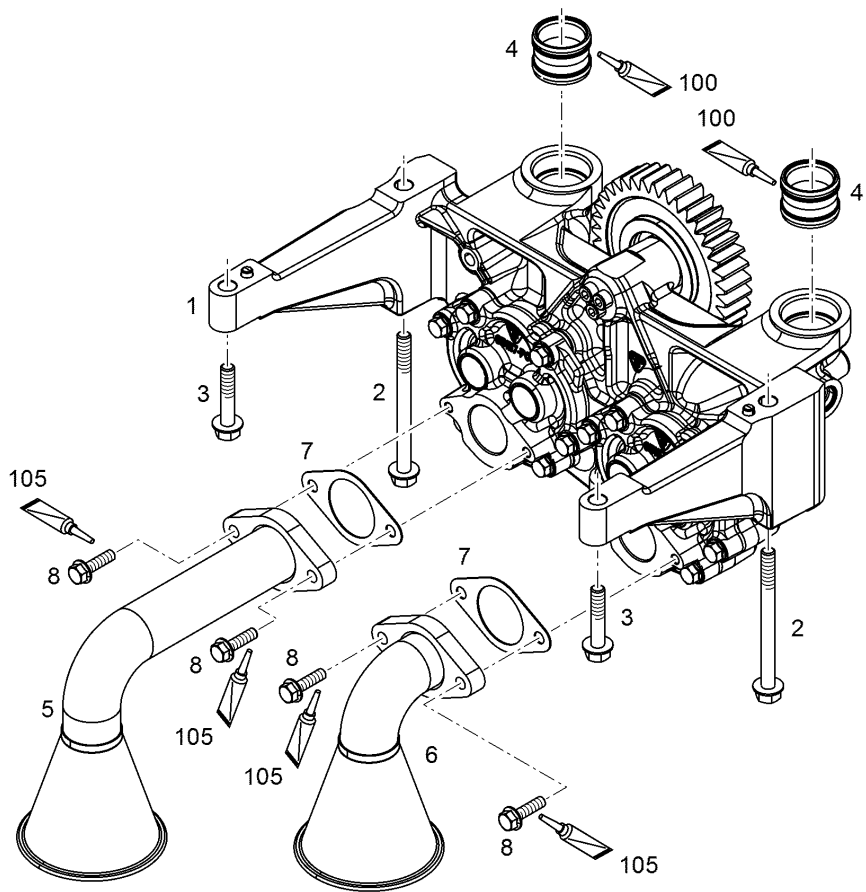
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610962	-	Oil cooler housing	1	UN			
2	230610634	-	Piston	1	UN			
3	230610633	-	Pressure spring	1	UN			
4	230610070	-	Screw plug	4	UN			
5	230610484	-	Screw plug	2	UN			



Lube oil pump with fastening

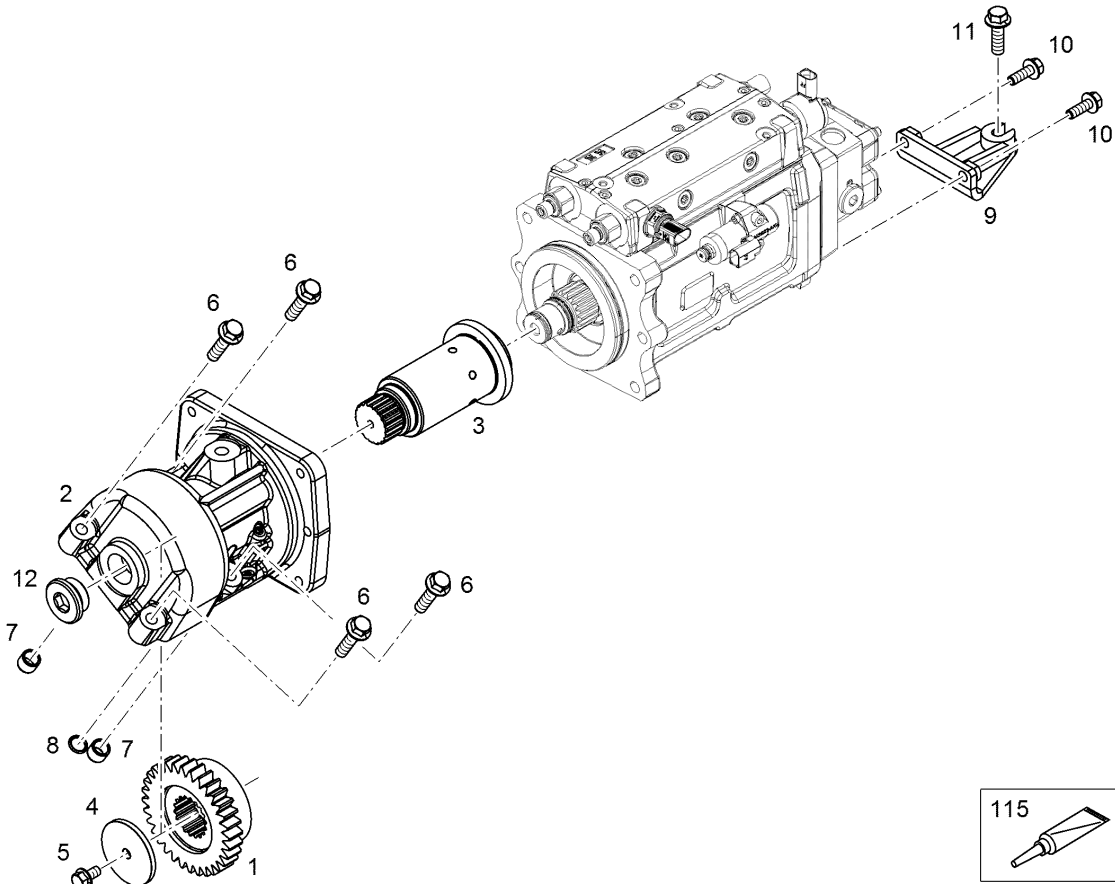
230610798

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610806	-	Lubricating oil pump	1	UN			
2	230610953	-	Hex screw	2	UN			
3	230610949	-	Hex screw	2	UN			
4	230610711	-	Plug-in pipe	2	UN			
5	230610785	-	Suction pipe	1	UN			
6	230610786	-	Suction pipe	1	UN			
7	230610672	-	Seal	2	UN			
8	230610950	-	Hex screw	4	UN			
100	230610702	-	Grease	1	UN			7
105	230611017	-	Screw locking	1	UN			



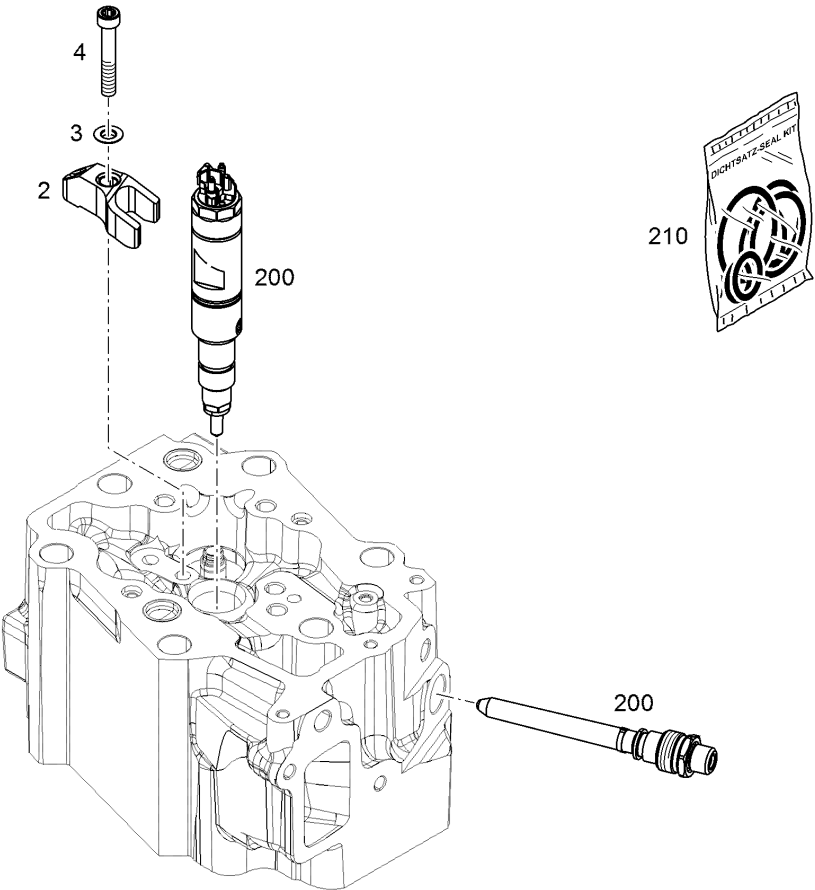
Drive for high pressure pump 230610682

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610677	-	Gear wheel	1	UN			
2	230610664	-	Housing pre-assembled	1	UN			
3	230610669	-	Drive shaft	1	UN			
4	230610678	-	Washer	1	UN			
5	230610943	-	Hex screw	1	UN			
6	230610944	-	Hex screw	4	UN			
7	230610446	-	Tight fit sleeve	2	UN			
8	230610413	-	O-ring	1	UN			
9	230610680	-	Holder	1	UN			
10	230610323	-	Hex screw	2	UN			
11	230610336	-	Hex screw	1	UN			
12	230610070	-	Screw plug	1	UN			
115	230610710	-	Surface sealing	1	UN			



Injector with fastening 230610673

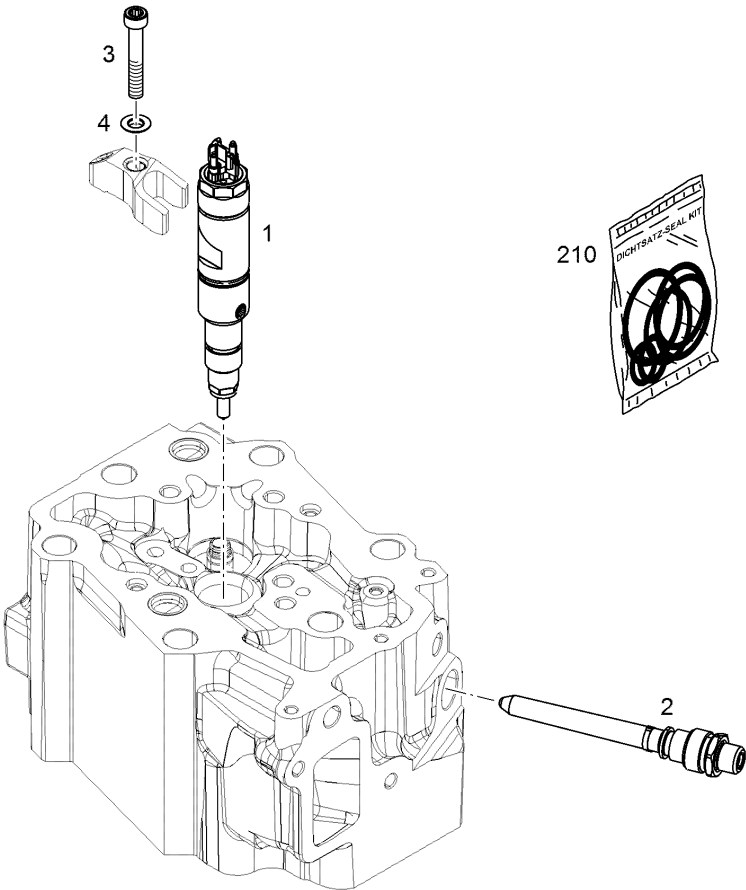
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
2	230610182	-	Jaw	1	UN		
3	230610479	-	Spherical washer	1	UN		
4	230610317	-	Socket head screw	1	UN		
200	230610183	-	Rk injector	1	UN		54
210	230610228	-	Seal kit injector	1	UN		57



Rk injector

230610183

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610671	-	Injector assy	1	UN		
2	230610251	-	High pressure connector	1	UN		55
3	230610317	-	Socket head screw	1	UN		
4	230610479	-	Spherical washer	1	UN		
210	230610228	-	Seal kit injector	1	UN		57



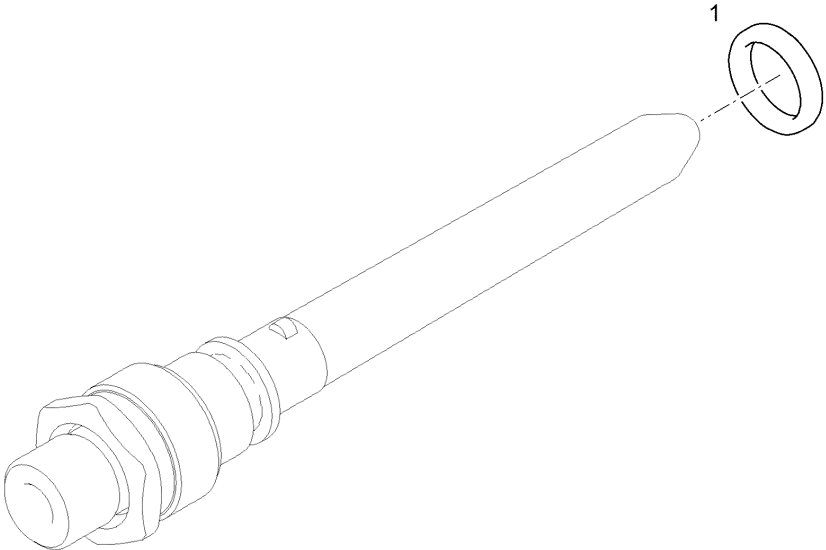
High pressure connector

230610251

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
210	230610227	-	Seal kit high press.connector	1	UN		56

Seal kit high press.connector
230610227

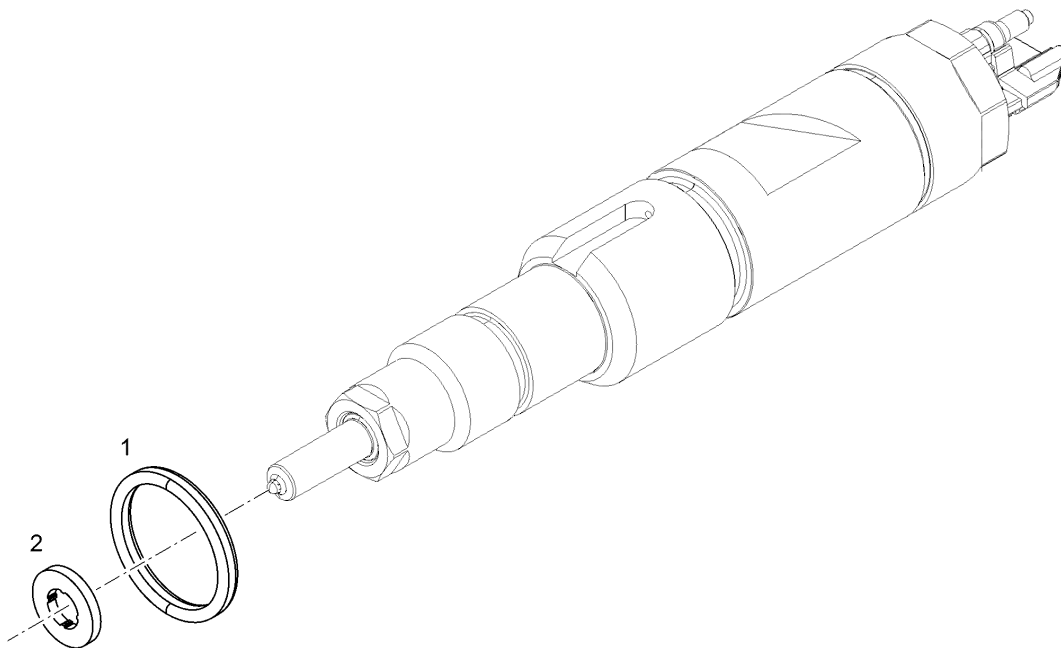
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610729	-	O-ring	1	UN		



Seal kit injector

230610228

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610526	-	O-ring	1	UN		
2	230610545	-	Sheet gasket	1	UN		

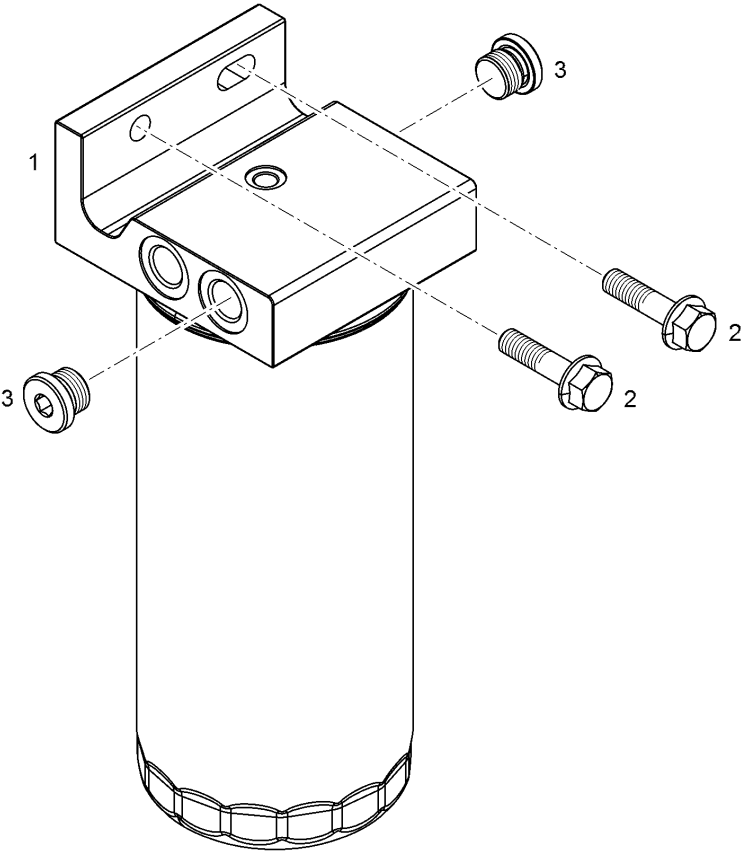


i 140

Fuel fine-filter assembly

230610797

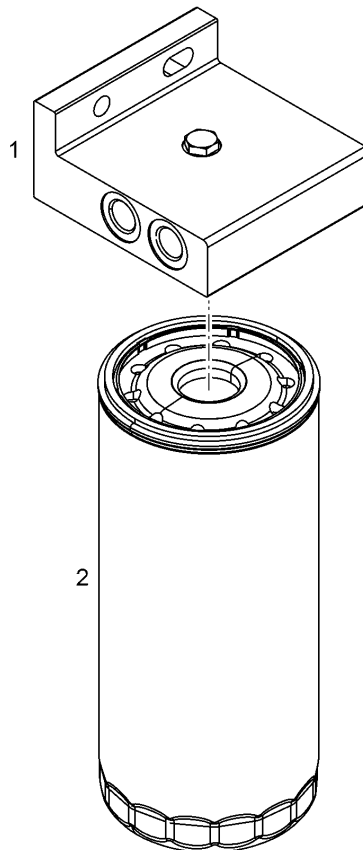
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610844	-	Fuel filter module	1	UN		59
2	230610489	-	Hex screw	2	UN		
3	230610415	-	Screw plug	2	UN		



Fuel filter module

230610844

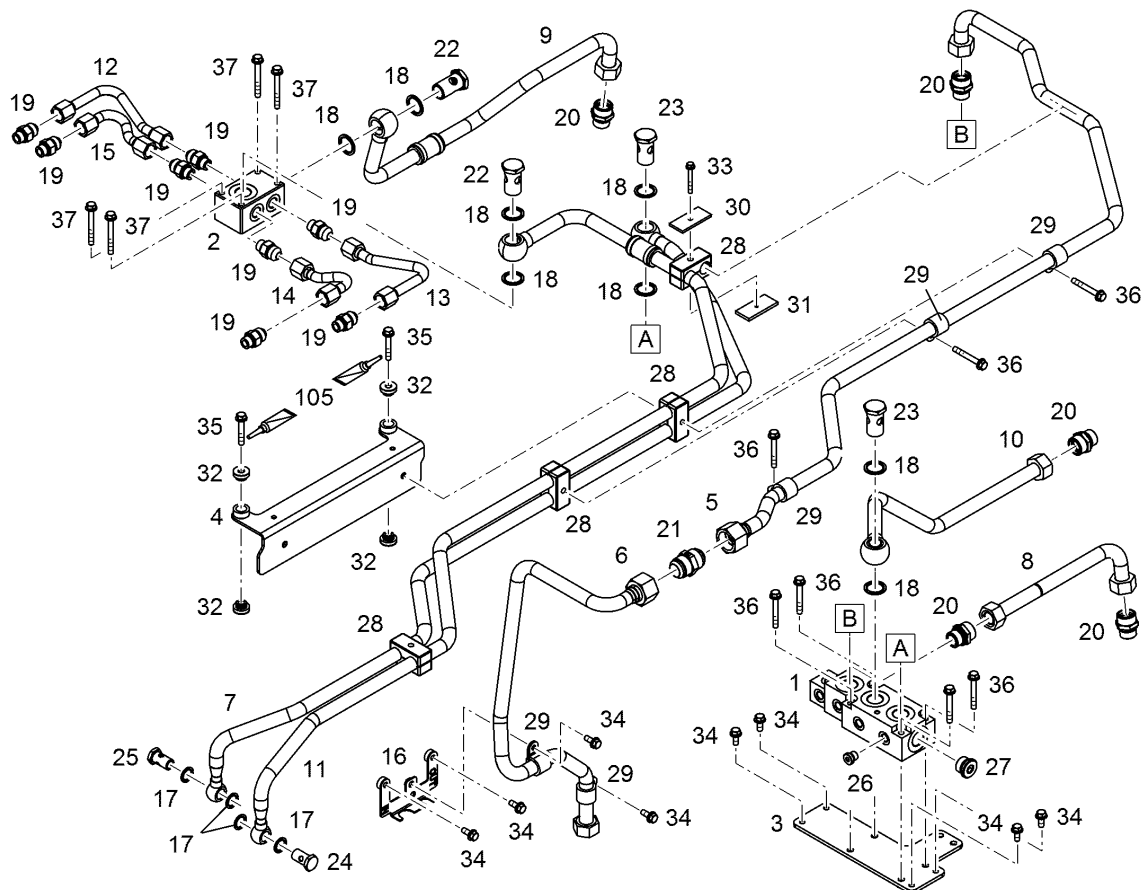
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610845	-	Fuel filter head	1	UN		
2	230510004	-	Fuel filter	1	UN		



Fuel lines

230610789

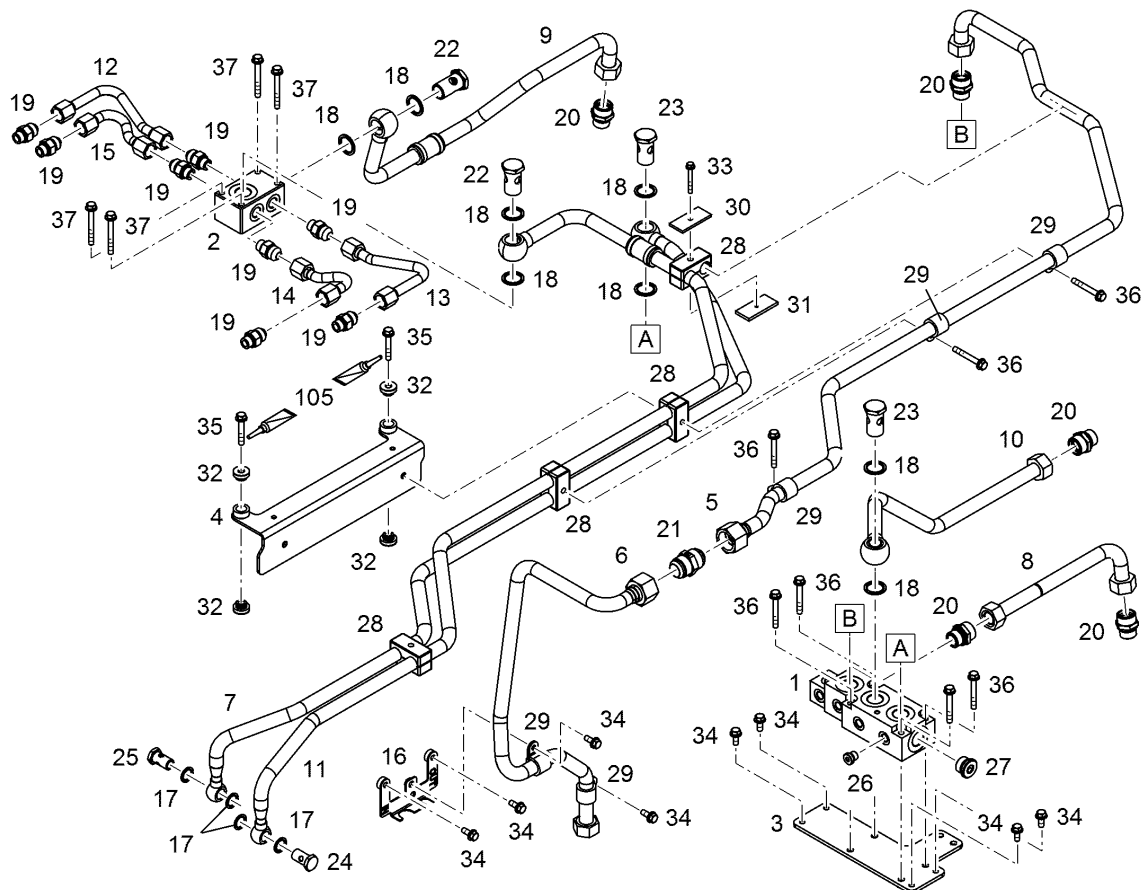
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610603	-	Distributor block	1	UN			
2	230610604	-	Distributor block	1	UN			
3	230610788	-	Console	1	UN			
4	230610784	-	Holder	1	UN			
5	230610792	-	Fuel line	1	UN			
6	230610800	-	Fuel line	1	UN			
7	230610793	-	Fuel line	1	UN			
8	230610800	-	Fuel line	1	UN			
8	230610794	-	Fuel line	1	UN			
9	230610790	-	Fuel line	1	UN			
10	230610795	-	Fuel line	1	UN			
11	230610791	-	Fuel line	1	UN			
12	230610605	-	Fuel line	1	UN			
13	230610606	-	Fuel line	1	UN			
14	230610607	-	Fuel line	1	UN			
15	230610608	-	Fuel line	1	UN			



Fuel lines

230610789

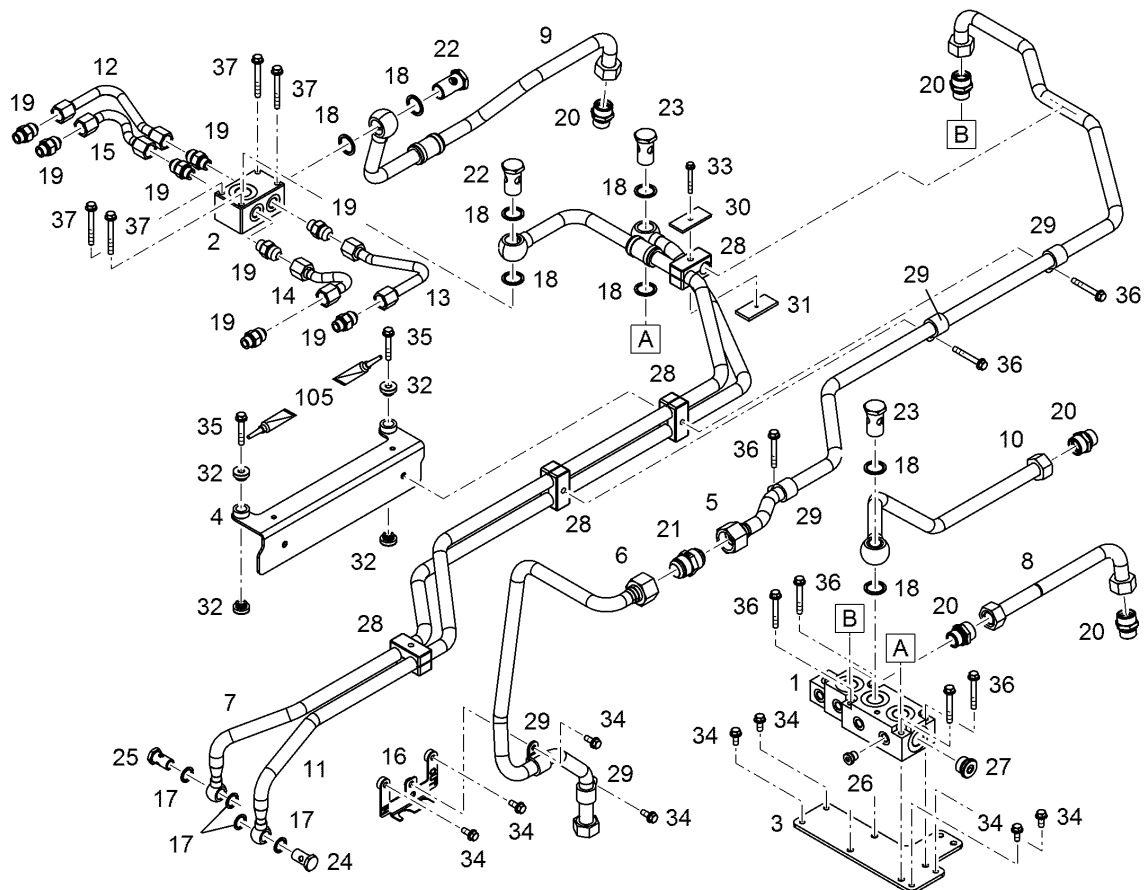
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
16	230610799	-	Plate	1	UN			
17	230610053	-	Sealing ring	4	UN			
18	230610059	-	Sealing ring	8	UN			
19	230610245	-	Flange joint	8	UN			
20	230610931	-	Flange joint	5	UN			
21	230610930	-	Flange joint	1	UN			
22	230610399	-	Hollow screw	2	UN			
23	230610940	-	Hollow screw	2	UN			
24	230610352	-	Hollow screw	1	UN			
25	230610354	-	Hollow screw	1	UN			
26	230610064	-	Screw plug	1	UN			
27	230610066	-	Screw plug	1	UN			
28	230610491	-	Pipe clamp	4	UN			
29	230610425	-	Clamp	5	UN			
30	230610493	-	Support plate	1	UN			
31	230610494	-	Support plate	1	UN			



Fuel lines

230610789

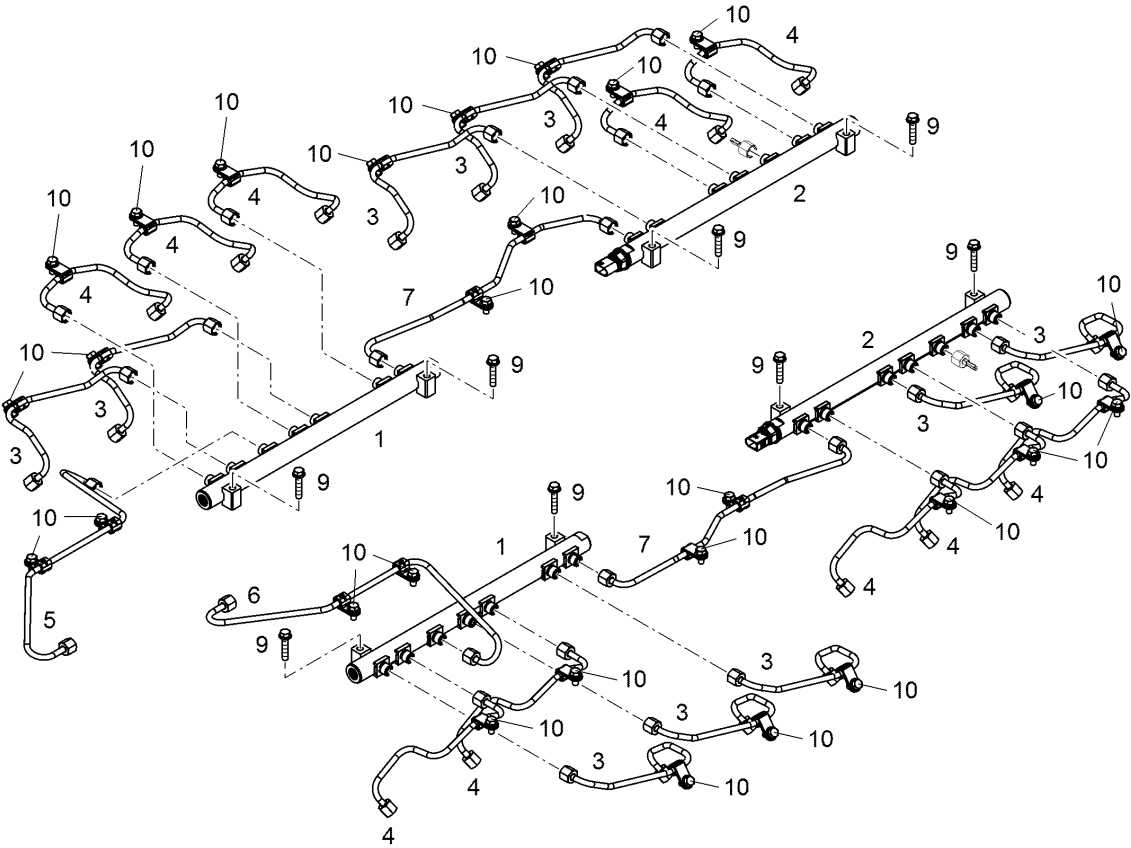
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
32	230610269	-	Rubber buffer	4	UN		
33	230610320	-	Hex screw	1	UN		
34	230610319	-	Hex screw	8	UN		
35	230610326	-	Hex screw	2	UN		
36	230610329	-	Hex screw	7	UN		
37	230610461	-	Hex screw	4	UN		
105	230611017	-	Screw locking	1	UN		



High pressure pipe assembly

230610733

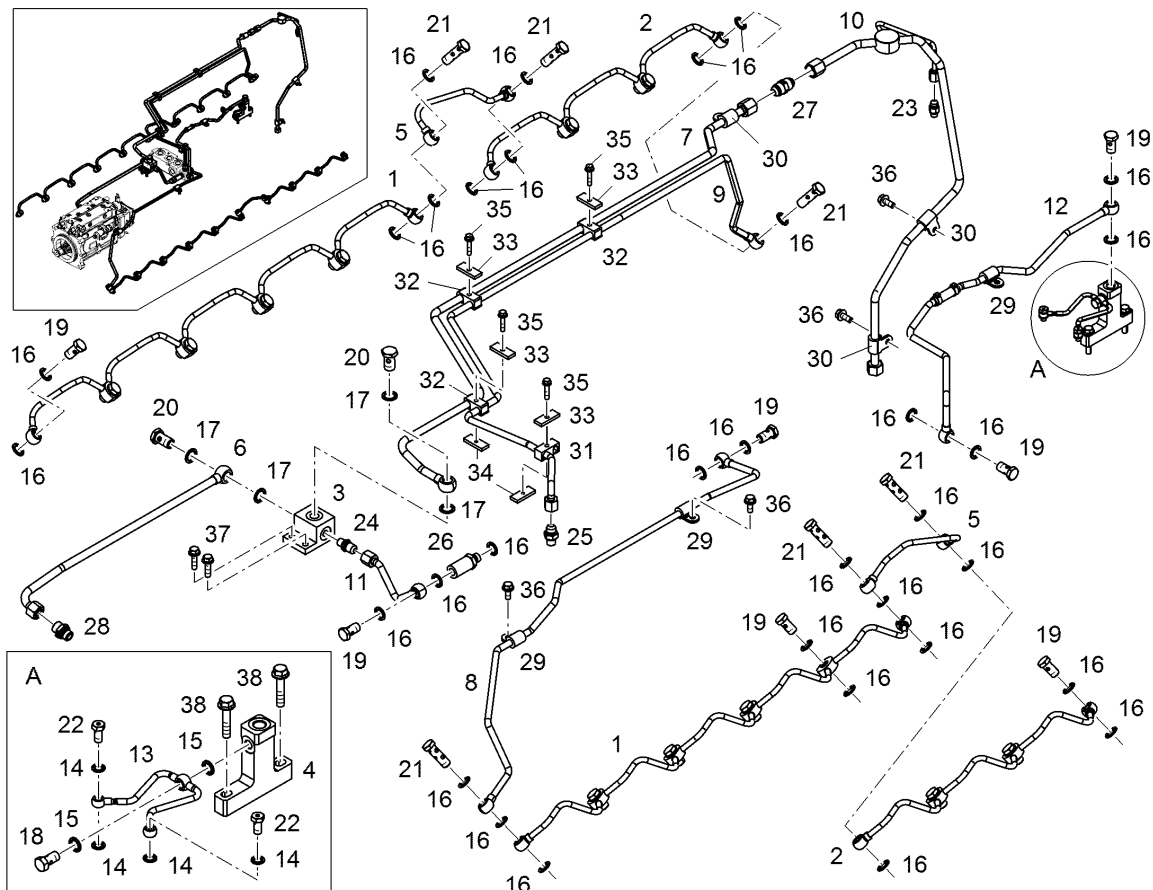
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610902	-	Hight pressure rail	2	UN			
2	230610979	-	Hight pressure rail	2	UN			
3	230610734	-	Injection line	10	UN			
4	230610735	-	Injection line	10	UN			
5	230610736	-	Injection line	1	UN			
6	230610737	-	Injection line	1	UN			
7	230610738	-	Injection line	2	UN			
9	230610324	-	Hex screw	8	UN			
10	230610314	-	Hex screw	28	UN			



Leak oil line add-on

230610801

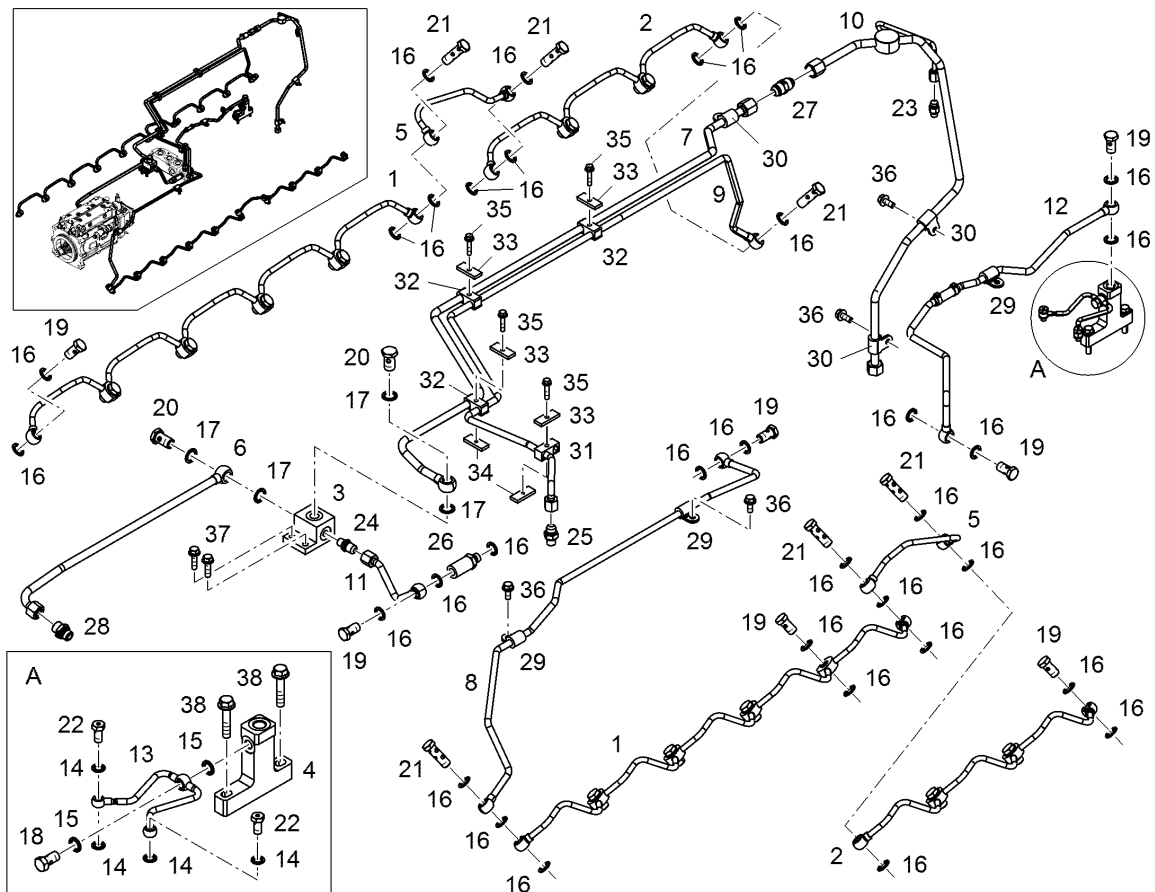
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610120	-	Overflow-oil line	2	UN		
2	230610528	-	Overflow-oil line	2	UN		
3	230610613	-	Distributor block	1	UN		
4	230610614	-	Distributor block	1	UN		
5	230610615	-	Overflow-oil line	2	UN		
6	230610802	-	Overflow-oil line	1	UN		
7	230610803	-	Overflow-oil line	1	UN		
8	230610829	-	Overflow-oil line	1	UN		
9	230610804	-	Overflow-oil line	1	UN		
10	230610805	-	Overflow-oil line	1	UN		
11	230610616	-	Overflow-oil line	1	UN		
12	230610617	-	Overflow-oil line	1	UN		
13	230610618	-	Overflow-oil line	1	UN		
14	230610058	-	Sealing ring	4	UN		
15	230610055	-	Sealing ring	2	UN		
16	230610056	-	Sealing ring	55	UN		



Leak oil line add-on

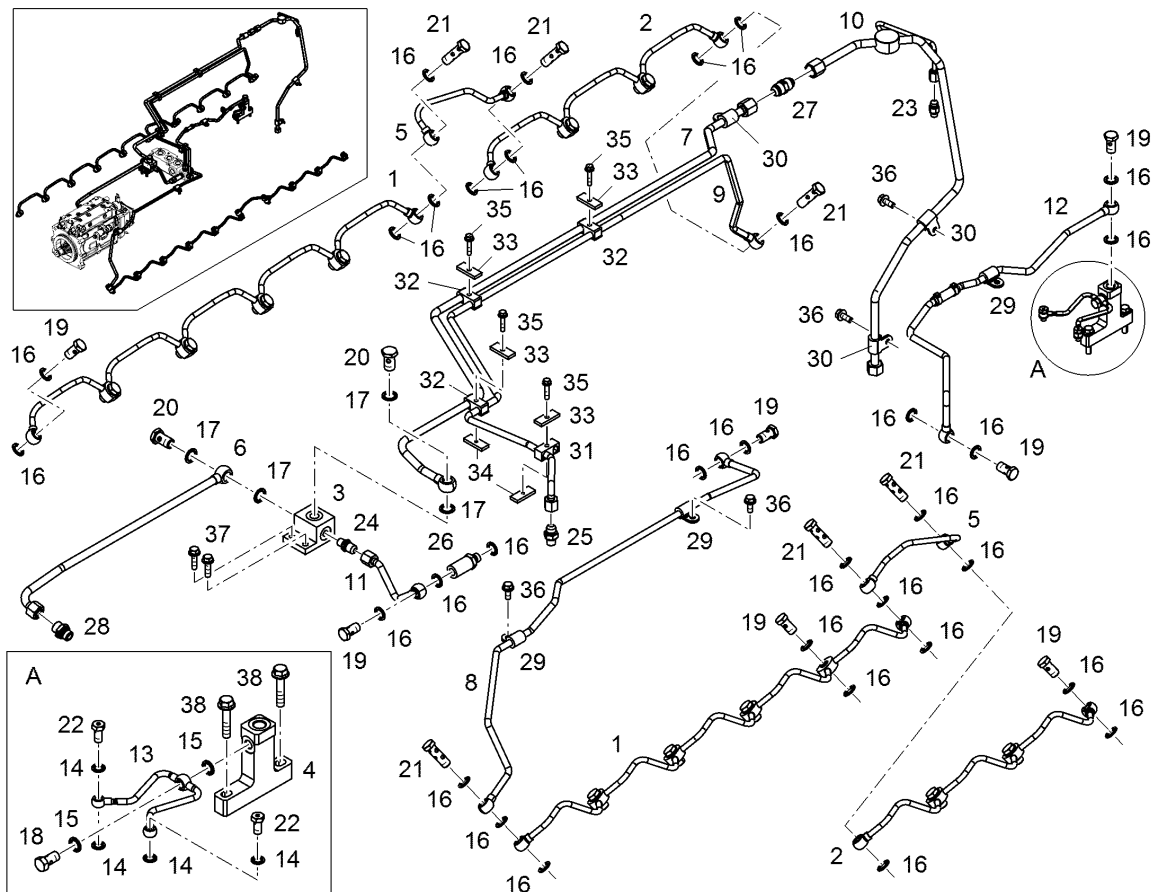
230610801

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
17	230610052	-	Sealing ring	4	UN		
18	230610378	-	Hollow screw	1	UN		
19	230610351	-	Hollow screw	18	UN		
20	230610353	-	Hollow screw	2	UN		
21	230610345	-	Double banjo bolt	6	UN		
22	230610357	-	Hollow screw	2	UN		
23	230610242	-	Flange joint	1	UN		
24	230610933	-	Flange joint	1	UN		
25	230610243	-	Flange joint	1	UN		
26	230610222	-	Intermediate part	1	UN		
27	230610932	-	Flange joint	1	UN		
28	230610726	-	Flange joint	1	UN		
29	230610087	-	Clamp	3	UN		
30	230610424	-	Clamp	3	UN		
31	230610429	-	Pipe clamp	1	UN		
32	230610418	-	Pipe clamp	3	UN		



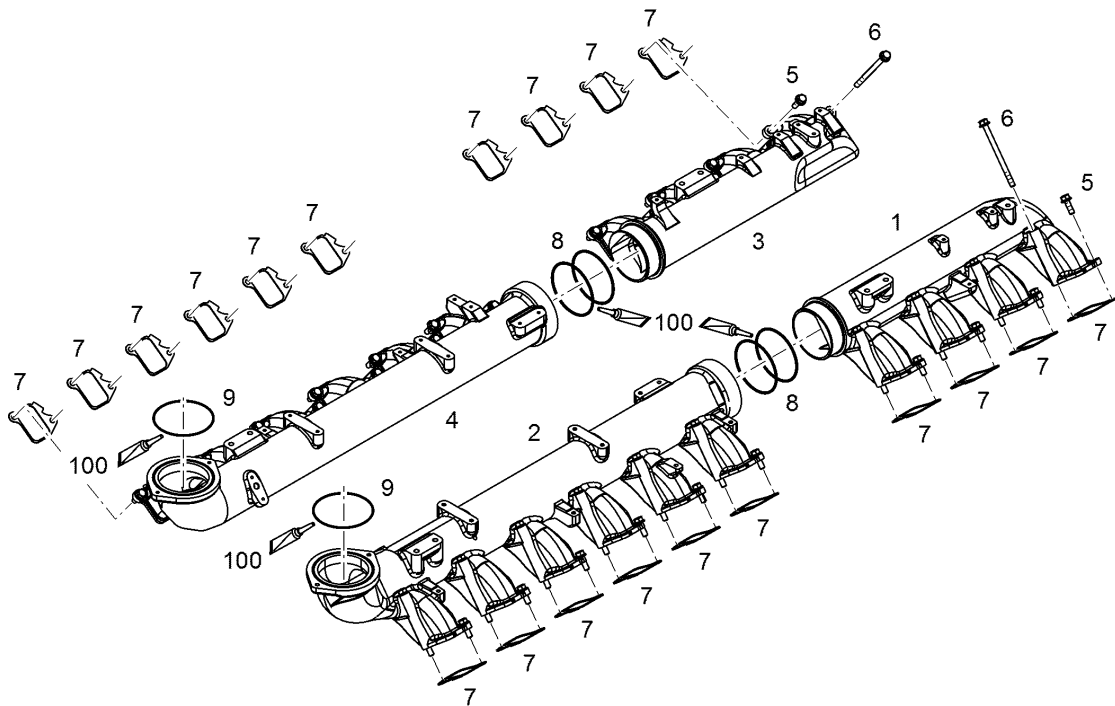
Leak oil line add-on 230610801

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
33	230610277	-	Support plate	4	UN			
34	230610278	-	Support plate	2	UN			
35	230610705	-	Hex screw	4	UN			
36	230610319	-	Hex screw	4	UN			
37	230610322	-	Hex screw	2	UN			
38	230610324	-	Hex screw	2	UN			



Air intake assembly 230610776

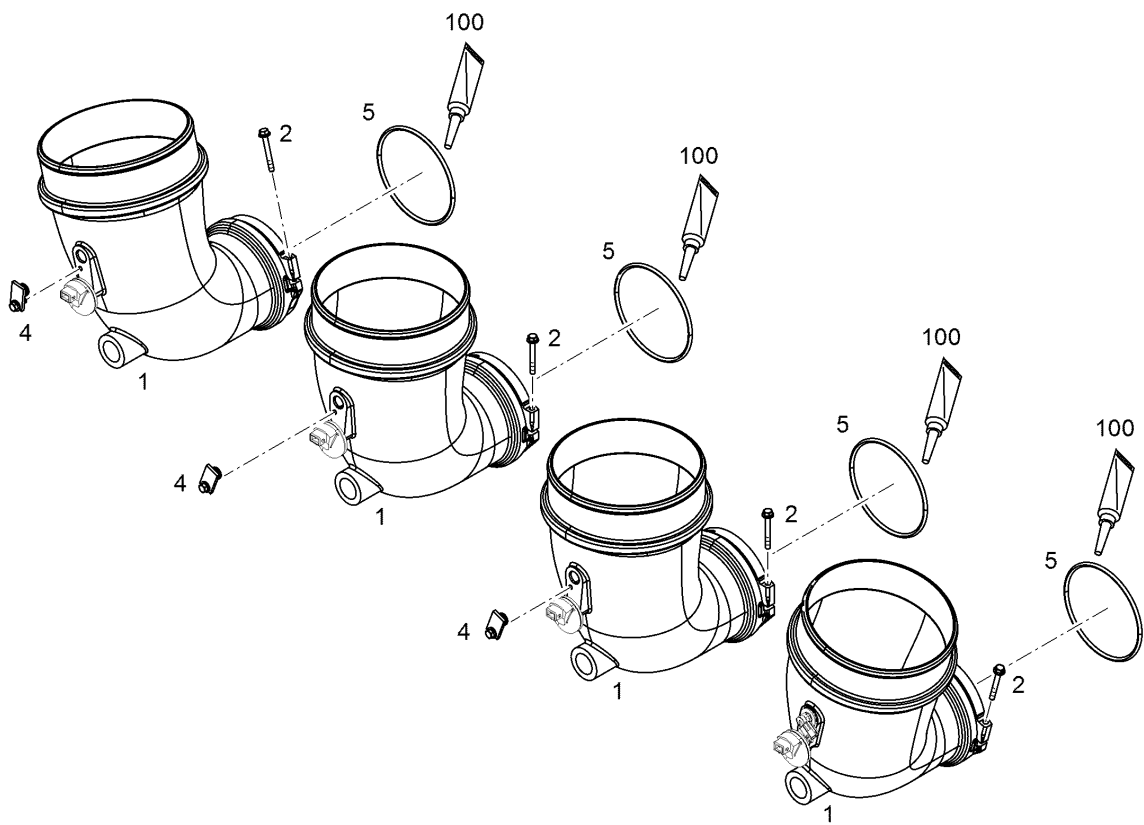
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610906	-	Air intake pipe right	1	UN			
2	230610923	-	Air intake pipe right	1	UN			
3	230610924	-	Air intake pipe left	1	UN			
4	230610922	-	Air intake pipe left	1	UN			
5	230610323	-	Hex screw	20	UN			
6	230610945	-	Hex screw	20	UN			
7	230610186	-	Seal	20	UN			
8	230610412	-	O-ring	4	UN			
9	230610427	-	O-ring	2	UN			
100	230610702	-	Grease	1	UN			7



Intake stack assembly

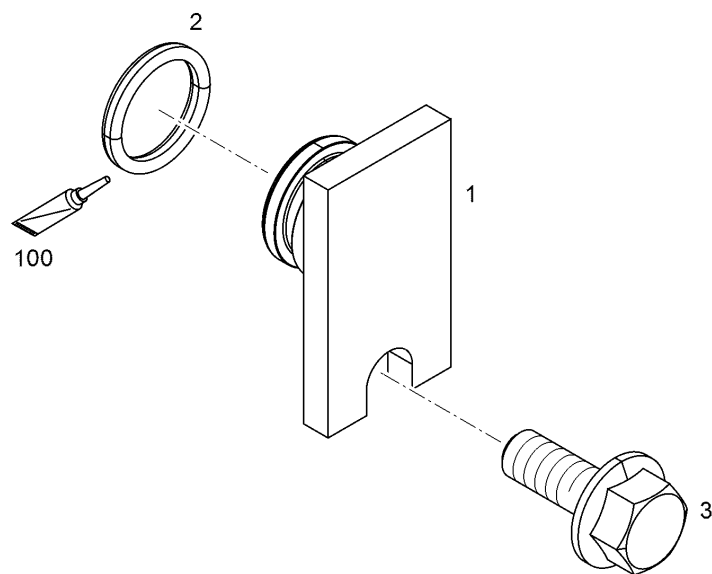
230610852

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610851	-	Intake stack	4	UN		
2	230610320	-	Hex screw	4	UN		
4	230610574	-	Locking pieces	3	UN		69
5	230610209	-	O-ring	4	UN		
100	230610702	-	Grease	1	UN		7



Locking pieces
230610574

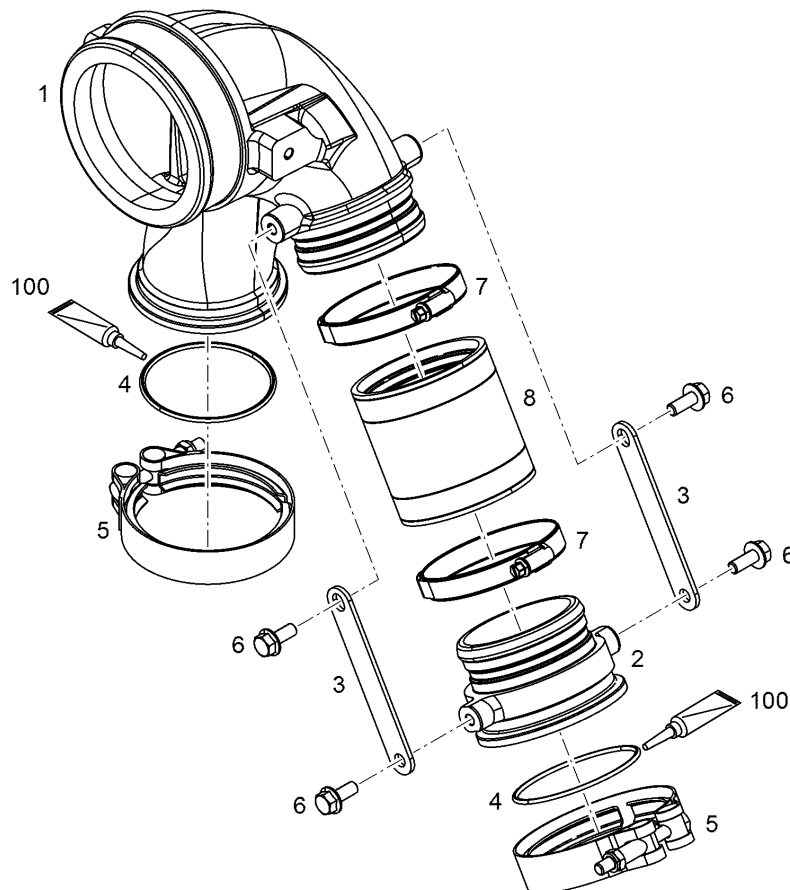
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610151	-	Cover	1	UN		
2	230610199	-	O-ring	1	UN		
3	230610312	-	Hex screw	1	UN		
100	230610702	-	Grease	1	UN		7



Charge air line assembly

230610601

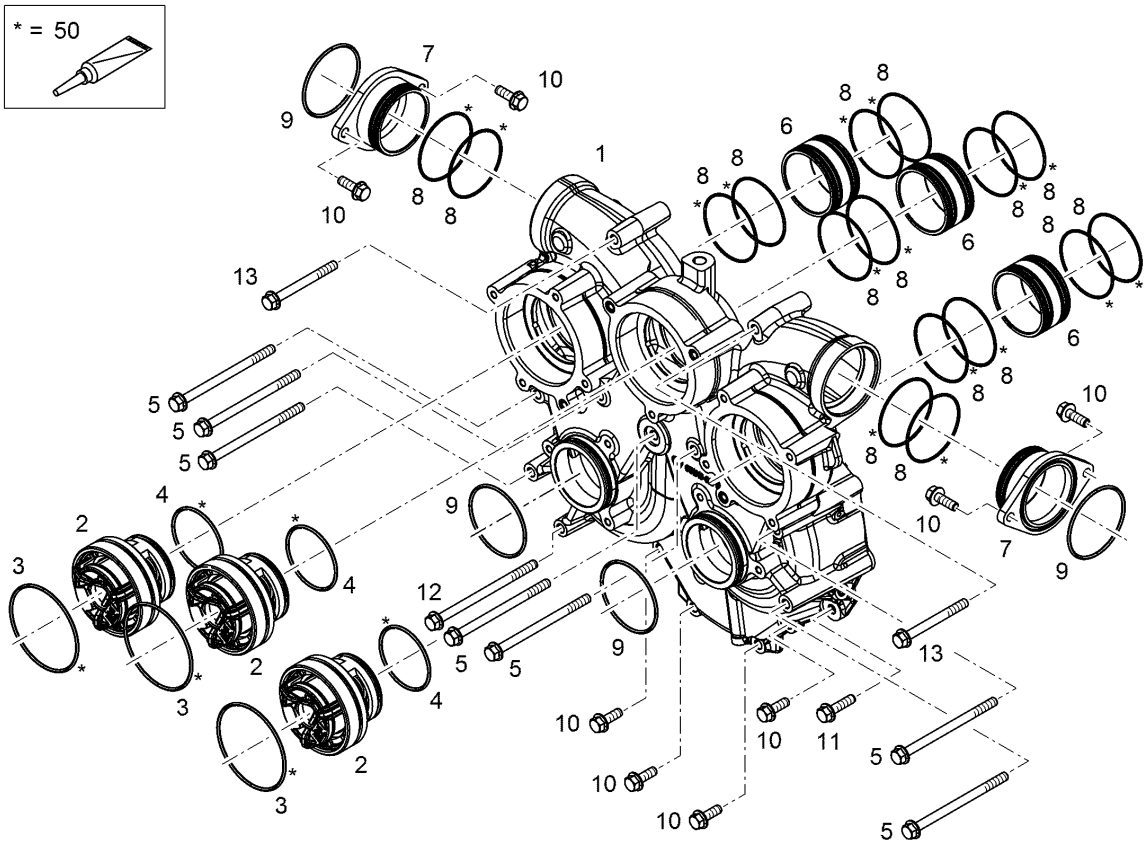
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610959	-	Charge air pipe	1	UN		
2	230610960	-	Charge air pipe	1	UN		
3	230610961	-	Plate	2	UN		
4	230610202	-	O-ring	2	UN		
5	230610100	-	Retainer clip	2	UN		
6	230611470	-	Hex screw	4	UN		
7	230610099	-	Hose clamp	2	UN		
8	230610217	-	Rubber connection	1	UN		
100	230610702	-	Grease	1	UN		7



Water pump with fastening

230610609

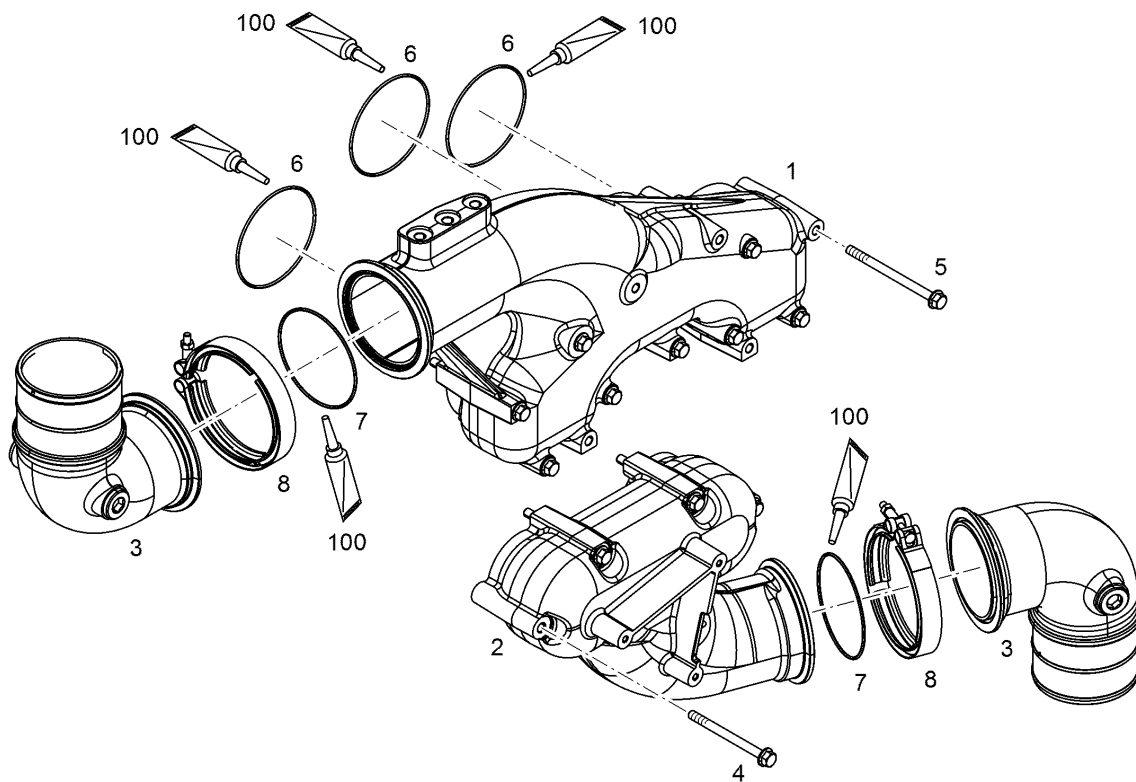
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611009	-	Water pump, pre-assembled	1	UN			
2	230610286	-	Thermostat	3	UN			
3	230610208	-	O-ring	3	UN			
4	230610200	-	O-ring	3	UN			
5	230610716	-	Hex screw	7	UN			
6	230610637	-	Tube	3	UN			
7	230610636	-	Flange	2	UN			
8	230610416	-	O-ring	16	UN			
9	230610420	-	O-ring	4	UN			
10	230610459	-	Hex screw	8	UN			
11	230610471	-	Hex screw	1	UN			
12	230610490	-	Hex screw	1	UN			
13	230610458	-	Hex screw	2	UN			
50	230610702	-	Grease	1	UN			7



Thermostat housing assembly

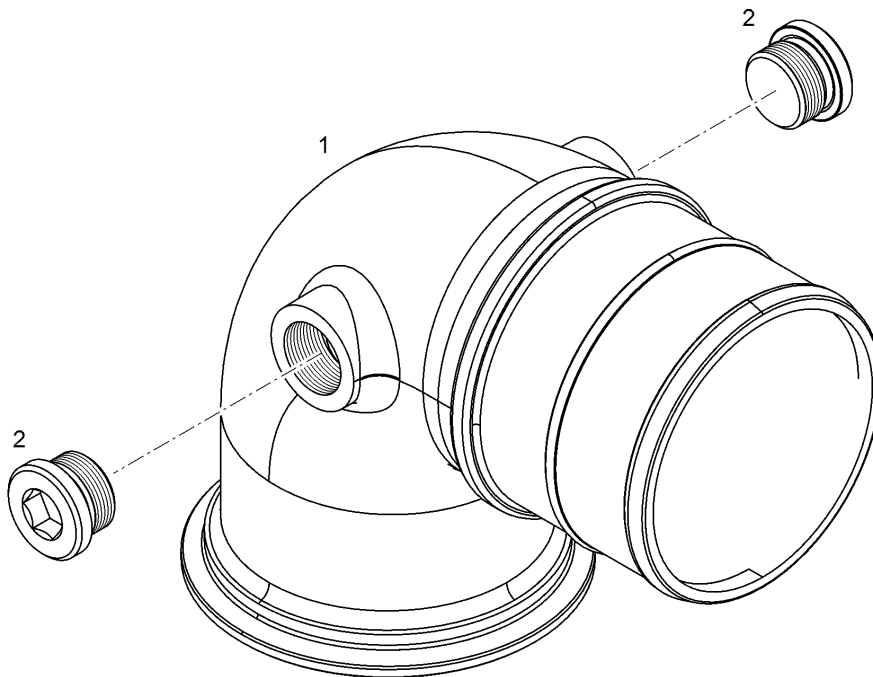
230610756

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610977	-	Coolant pipe bend	1	UN		
2	230610976	-	Coolant pipe bend	1	UN		
3	230610903	-	Connection f.water pipe	2	UN		73
4	230610340	-	Hex screw	6	UN		
5	230612321	-	Hex screw	9	UN		
6	230610407	-	O-ring	3	UN		
7	230610408	-	O-ring	2	UN		
8	230610541	-	Retainer clip	2	UN		
100	230610702	-	Grease	1	UN		7



Connection f.water pipe
230610903

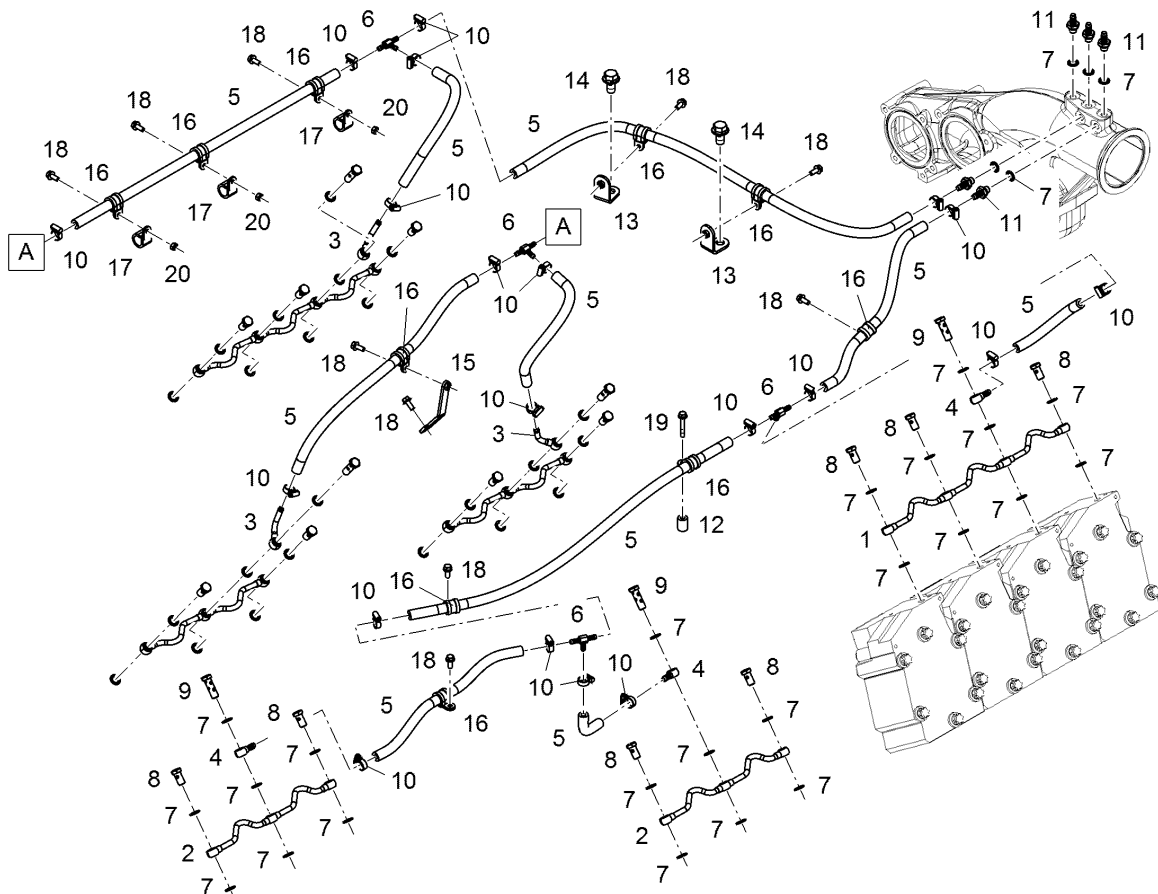
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610896	-	Connecting elbow	1	UN		
2	230610071	-	Screw plug	2	UN		



Vent tube assembly

230610897

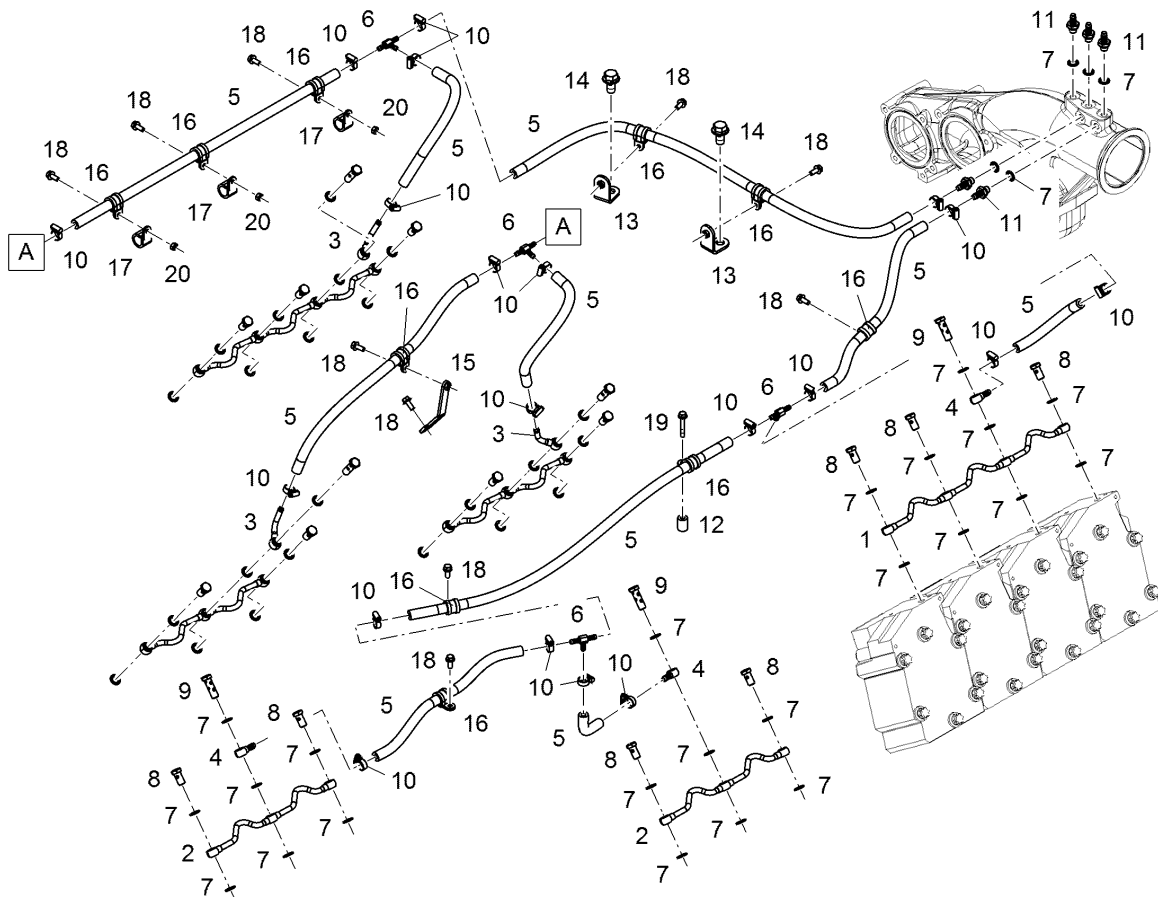
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610501	-	Ventilation line	2	UN			
2	230610130	-	Ventilation line	4	UN			
3	230610741	-	Pipeline	3	UN			
4	230610421	-	Fittings	3	UN			
5	230610927	-	Hose	5.196	UN			
6	230610985	-	Hose nipple	4	UN			
7	230610056	-	Sealing ring	51	UN			
8	230610351	-	Hollow screw	14	UN			
9	230610345	-	Double banjo bolt	6	UN			
10	230610389	-	Hose clamp	20	UN			
11	230610437	-	Hose nipple	5	UN			
12	230610503	-	Distance sleeve	1	UN			
13	230610999	-	Holder	2	UN			
14	230610948	-	Hex screw	2	UN			
15	230611000	-	Holder	2	UN			
16	230610410	-	Clamp	11	UN			



Vent tube assembly

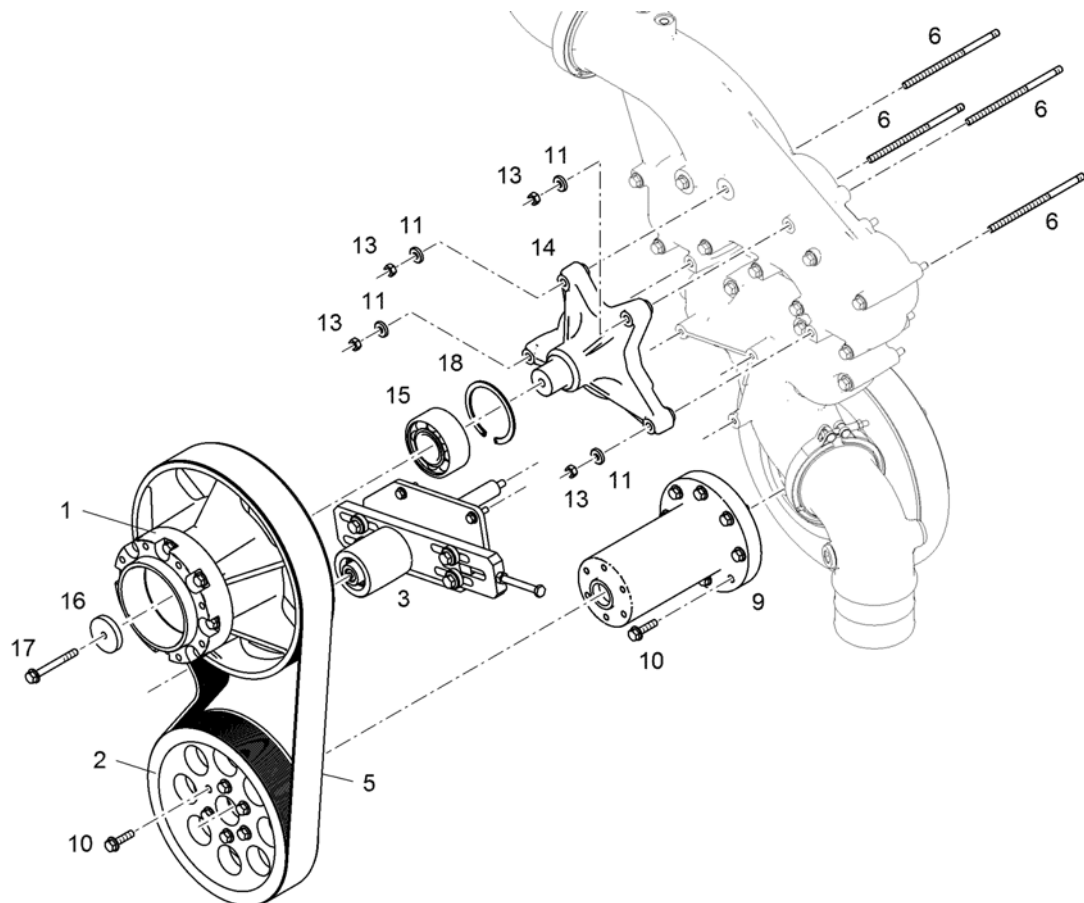
230610897

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610425	-	Clamp	3	UN			
18	230610319	-	Hex screw	12	UN			
19	230610326	-	Hex screw	1	UN			
20	230610161	-	Hex nut	3	UN			



Fan drive assembly 230610867

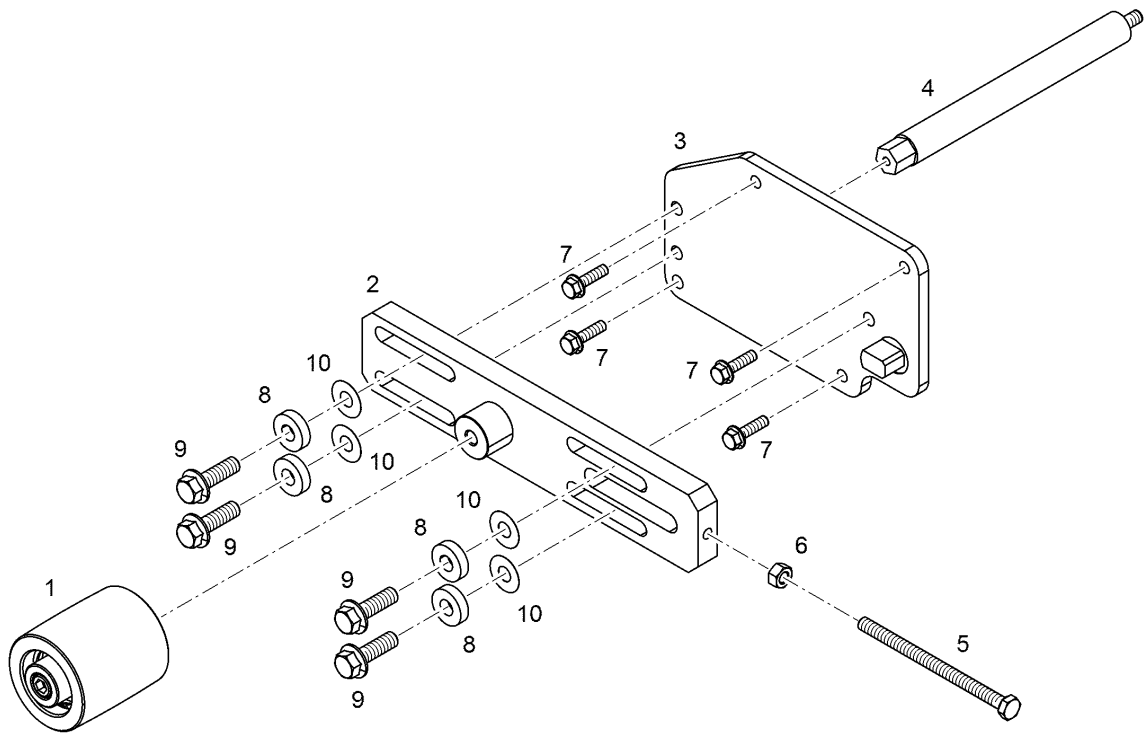
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610998	-	V-belt pulley pre-ass.	1	UN		
2	230610866	-	Belt pulley	1	UN		
3	230610972	-	Tightening roller	1	UN		77
5	230610865	-	V-ripped belt	1	UN		
6	230610951	-	Double-ended stud	4	UN		
9	230610980	-	Spacer piece	1	UN		
10	230610489	-	Hex screw	14	UN		
11	230610374	-	Washer	4	UN		
13	230610162	-	Hex nut	4	UN		
14	230610770	-	Fan shaft	1	UN		
15	230610860	-	Steep-angle bearing	1	UN		
16	230610553	-	Washer	1	UN		
17	230610717	-	Hex screw	1	UN		
18	230610382	-	Locking ring	1	UN		



Tightening roller

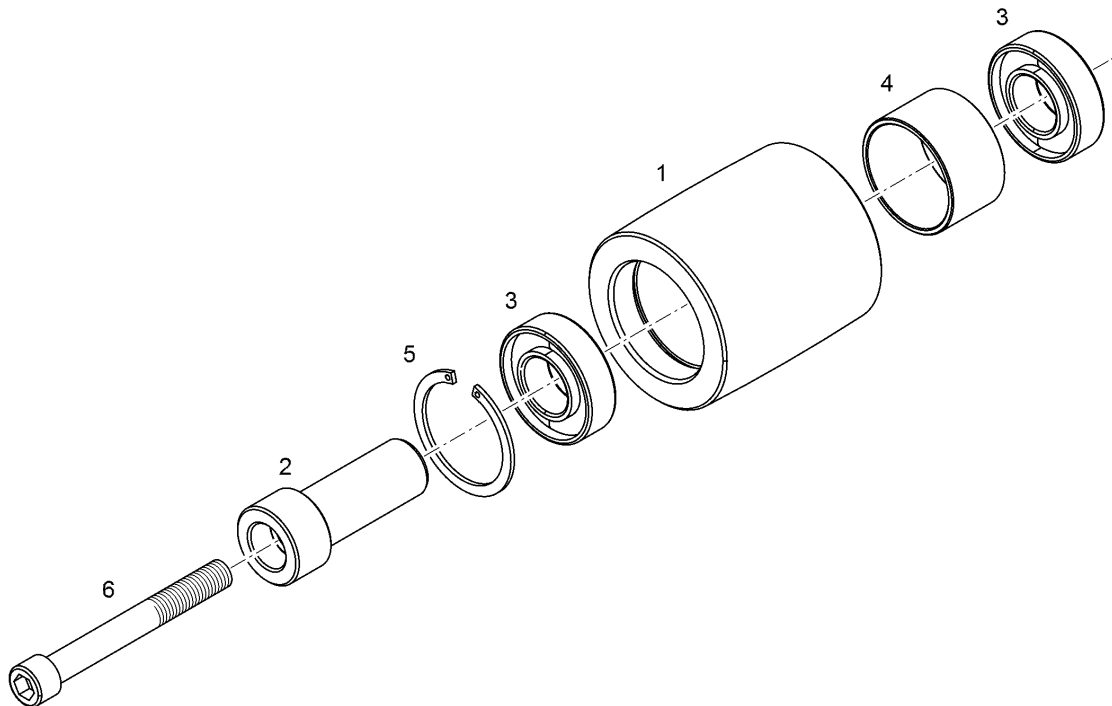
230610972

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610975	-	Guide pulley compl.	1	UN		78
2	230610973	-	Holder	1	UN		
3	230610974	-	Holder	1	UN		
4	230610971	-	Spacer piece	1	UN		
5	230610704	-	Hex screw	1	UN		
6	230610162	-	Hex nut	1	UN		
7	230610322	-	Hex screw	4	UN		
8	230610432	-	Distance sleeve	4	UN		
9	230610336	-	Hex screw	4	UN		
10	230610911	-	Intermediate part	4	UN		



Guide pulley compl. 230610975

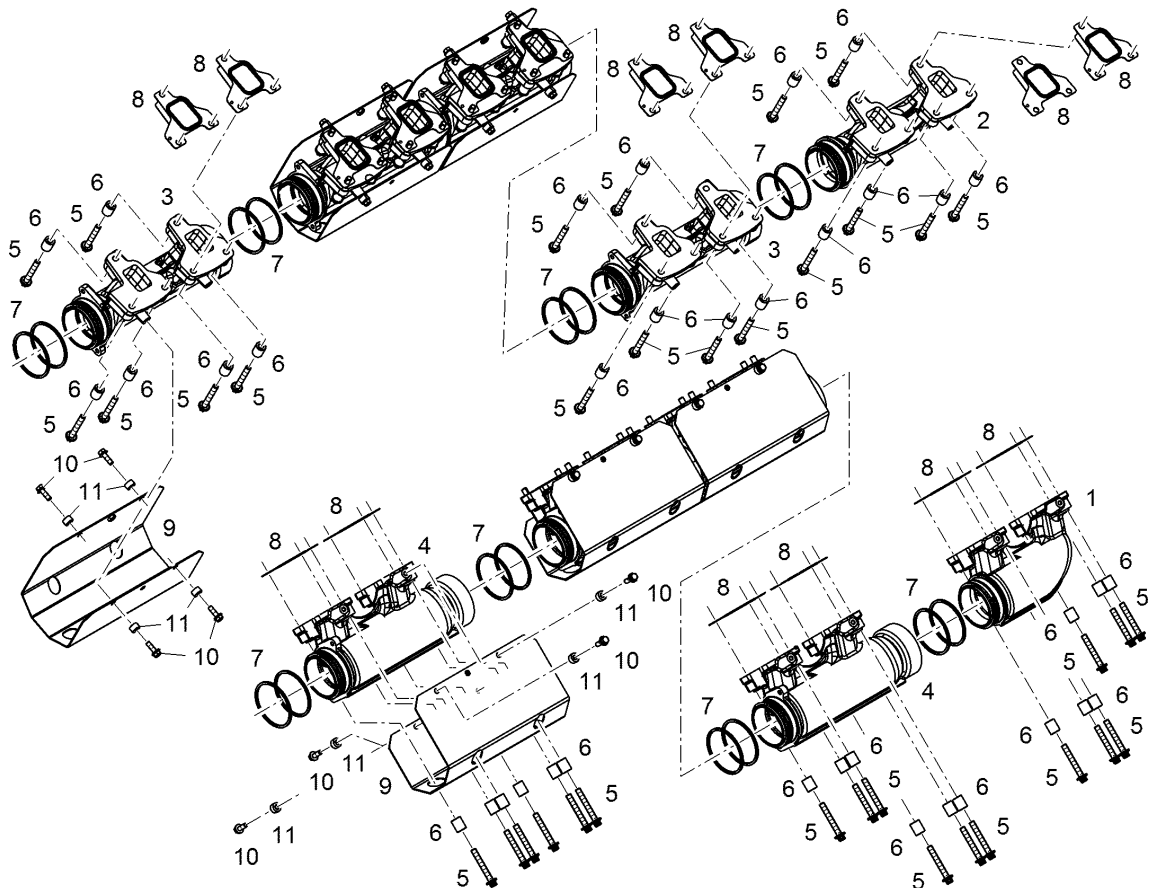
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611979	-	Pulley	1	UN		
2	230611980	-	Bushing	1	UN		
3	230611981	-	Bearing	2	UN		
4	230611982	-	Brace	1	UN		
5	230611983	-	Snap ring	1	UN		
6	230612441	-	Socket head screw	1	UN		



Exhaust pipe assembly

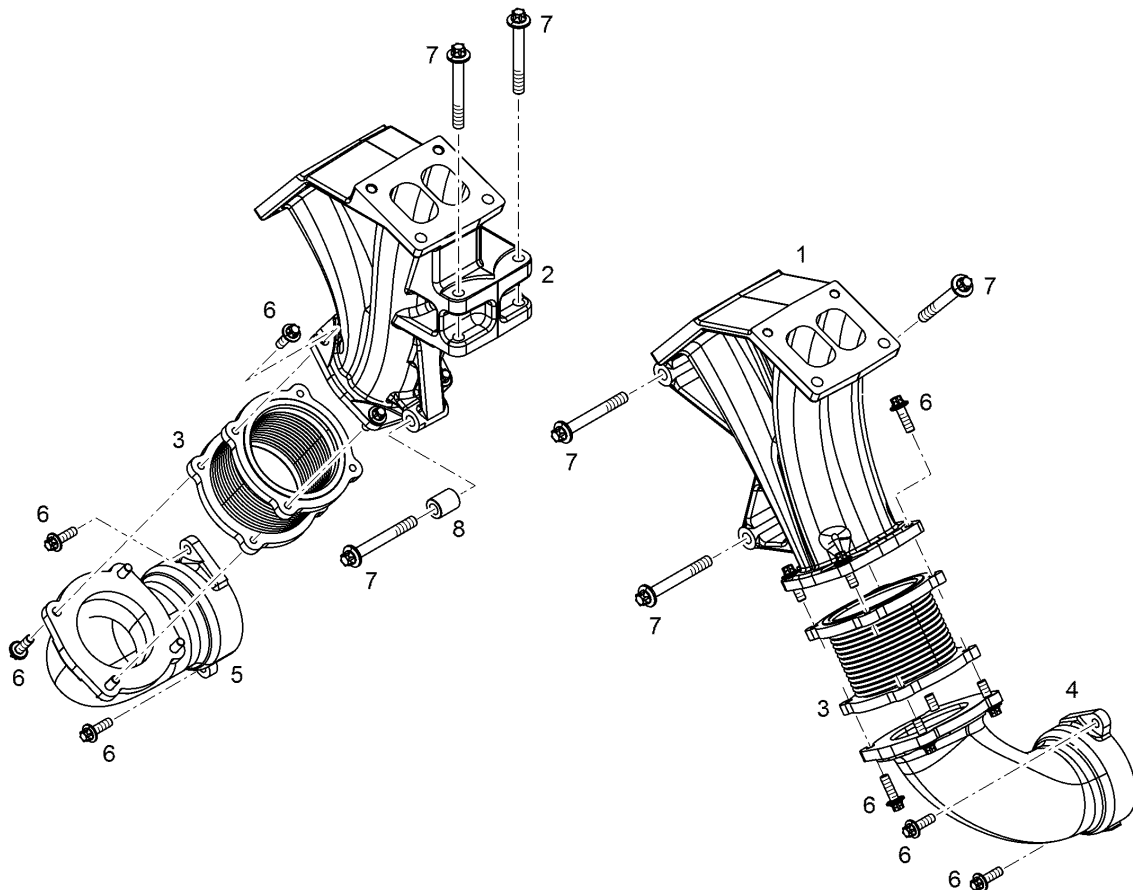
230610596

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610993	-	Exhaust pipe	1	UN			
2	230610995	-	Exhaust pipe	1	UN			
3	230610994	-	Exhaust pipe	4	UN			
4	230610992	-	Exhaust pipe	4	UN			
5	230610350	-	Hexalobular head screw	60	UN			
6	230610539	-	Distance sleeve	60	UN			
7	230610597	-	Lamellar disk kit	40	UN			
8	230610189	-	Seal	20	UN			
9	230610610	-	Heat protection sheet	6	UN			
10	230610342	-	Hex screw	24	UN			
11	230610443	-	Distance sleeve	24	UN			



Outlet manifold add-on 230610730

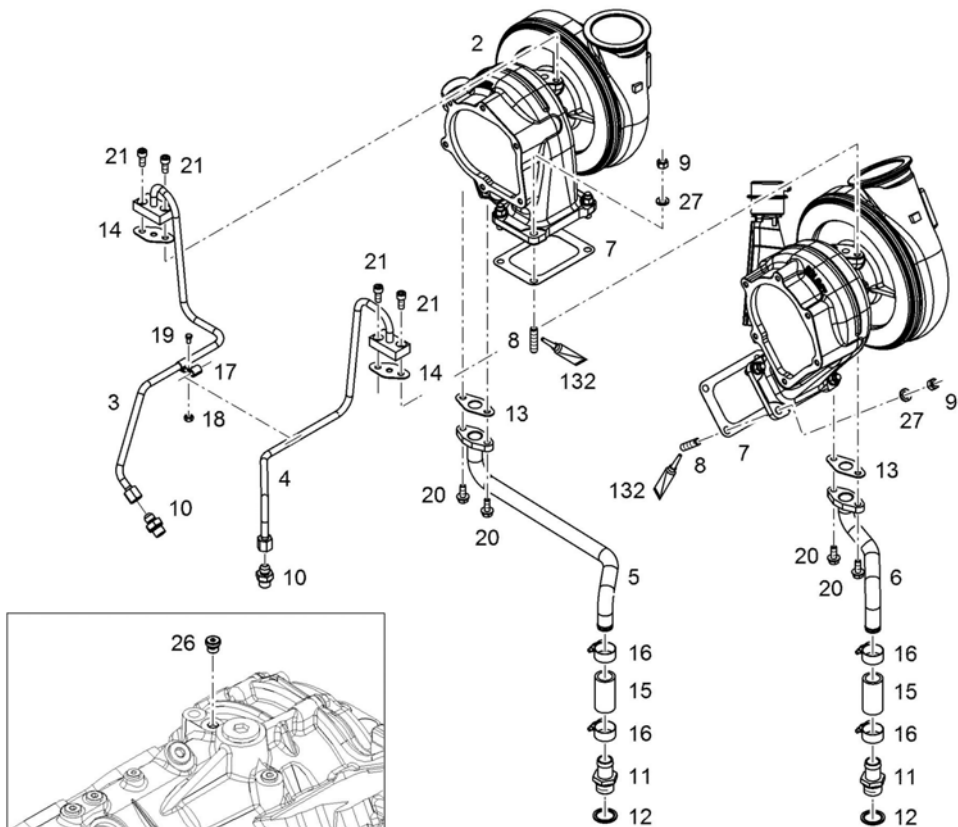
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610731	-	Exhaust nozzle	1	UN			
2	230610732	-	Exhaust nozzle	1	UN			
3	230610598	-	Compensator	2	UN			
4	230610611	-	Outlet manifold	1	UN			
5	230610612	-	Outlet manifold	1	UN			
6	230610496	-	Hexalobular head screw	20	UN			
7	230610540	-	Hexalobular head screw	6	UN			
8	230610535	-	Distance sleeve	1	UN			



Exhaust tc mounting

230610868

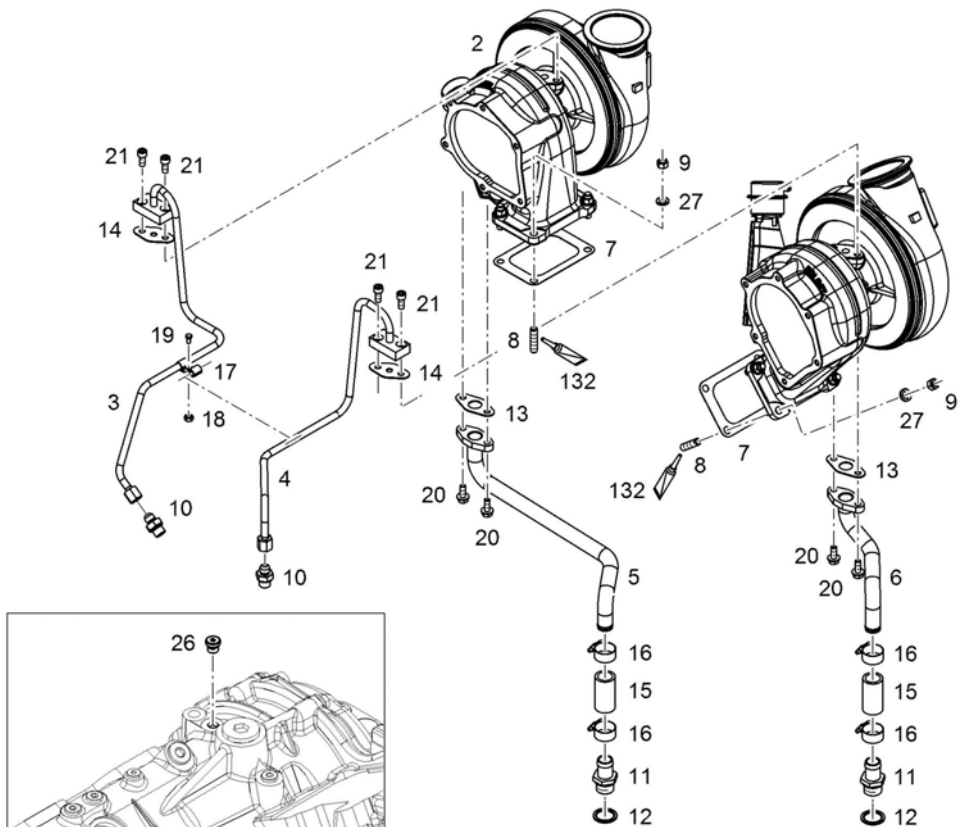
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610990	-	Exhaust gas turbocharger	1	UN			
2	230610991	-	Exhaust gas turbocharger	1	UN			
3	230610620	-	Lubricating oil line	1	UN			
4	230610621	-	Lubricating oil line	1	UN			
5	230610748	-	Oil return pipe	1	UN			
6	230610747	-	Oil return pipe	1	UN			
7	230610193	-	Seal	2	UN			
8	230610180	-	Double-ended stud	8	UN			
9	230610163	-	Nut	8	UN			
10	230610721	-	Flange joint	2	UN			
11	230610253	-	Hose nipple	2	UN			
12	230610059	-	Sealing ring	2	UN			
13	230610448	-	Seal	2	UN			
14	230610447	-	Seal	2	UN			
15	230610215	-	Rubber connection	2	UN			
16	230610385	-	Hose clamp	4	UN			



Exhaust tc mounting

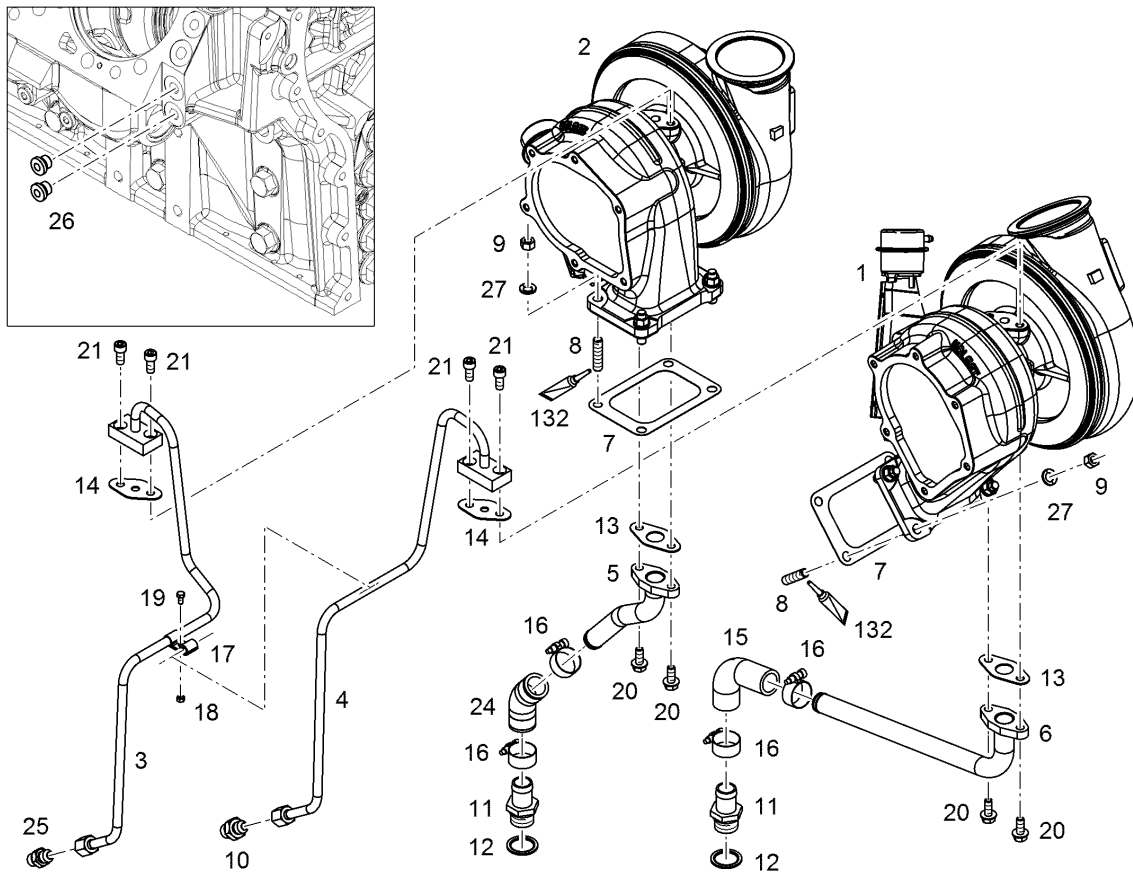
230610868

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
17	230610366	-	Pipe clamp	1	UN		
18	230610394	-	Hex nut	1	UN		
19	230610706	-	Hex screw	1	UN		
20	230610318	-	Hex screw	4	UN		
21	230610392	-	Socket head screw	4	UN		
26	230610064	-	Screw plug	1	UN		
27	230610263	-	Washer	8	UN		
132	230610456	-	Copper paste	1	UN		



Exhaust tc mounting
230610869

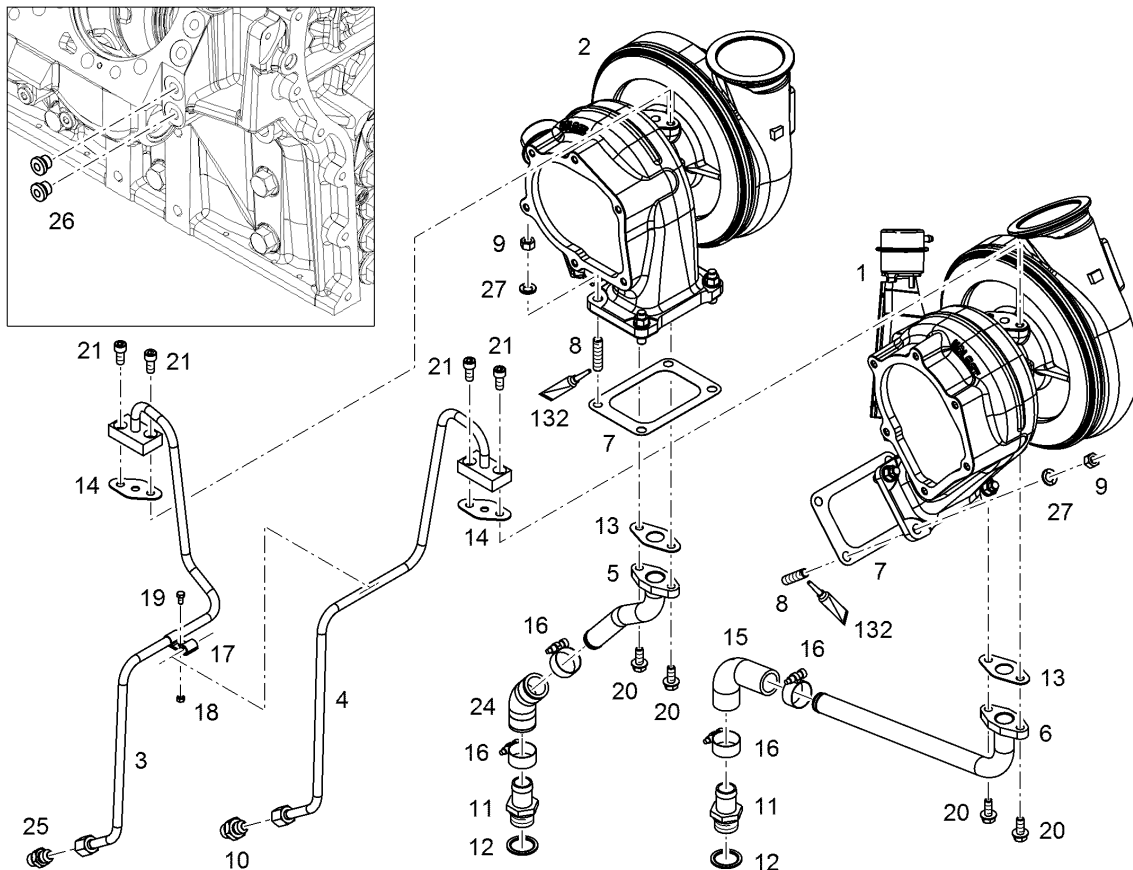
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610990	-	Exhaust gas turbocharger	1	UN		
2	230610991	-	Exhaust gas turbocharger	1	UN		
3	230610778	-	Lubricating oil line	1	UN		
4	230610622	-	Lubricating oil line	1	UN		
5	230610749	-	Oil return pipe	1	UN		
6	230610750	-	Oil return pipe	1	UN		
7	230610193	-	Seal	2	UN		
8	230610180	-	Double-ended stud	8	UN		
9	230610163	-	Nut	8	UN		
10	230610721	-	Flange joint	1	UN		
11	230610253	-	Hose nipple	2	UN		
12	230610059	-	Sealing ring	2	UN		
13	230610448	-	Seal	2	UN		
14	230610447	-	Seal	2	UN		
15	230610524	-	Rubber connection	1	UN		
16	230610385	-	Hose clamp	4	UN		



Exhaust tc mounting

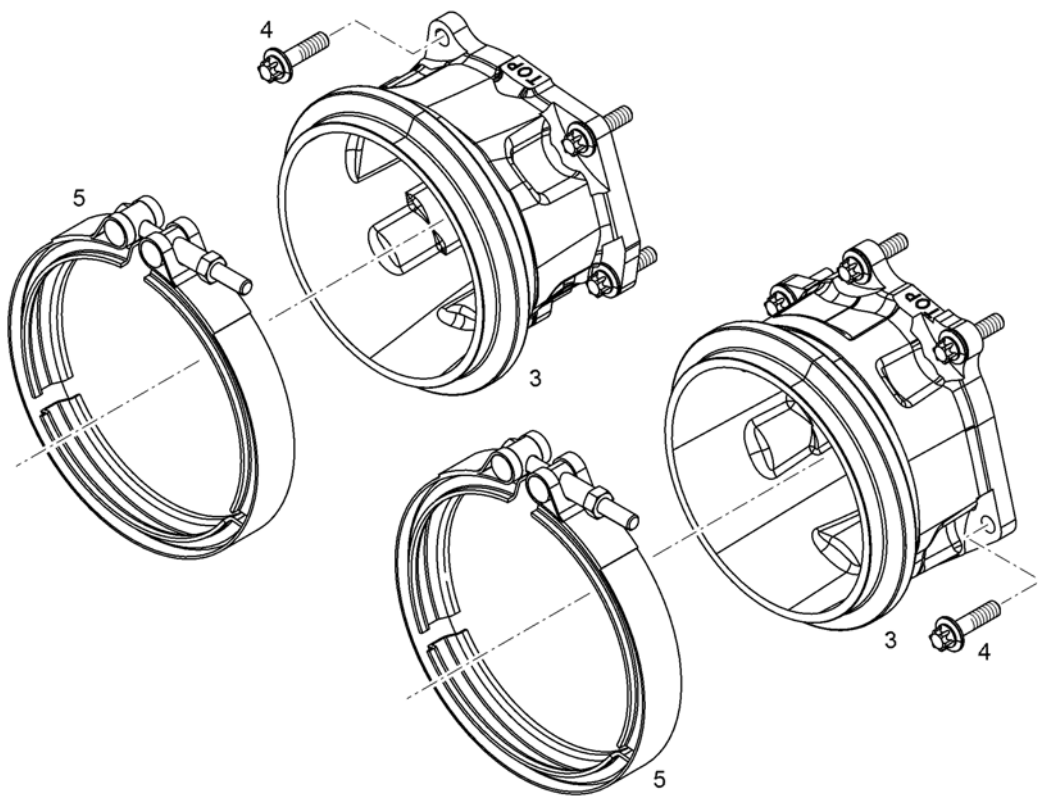
230610869

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610366	-	Pipe clamp	1	UN			
18	230610394	-	Hex nut	1	UN			
19	230610706	-	Hex screw	1	UN			
20	230610318	-	Hex screw	4	UN			
21	230610392	-	Socket head screw	4	UN			
24	230610521	-	Rubber connection	1	UN			
25	230610243	-	Flange joint	1	UN			
26	230610065	-	Screw plug	2	UN			
27	230610263	-	Washer	8	UN			
132	230610456	-	Copper paste	1	UN			



Exhaust nozzle
230610599

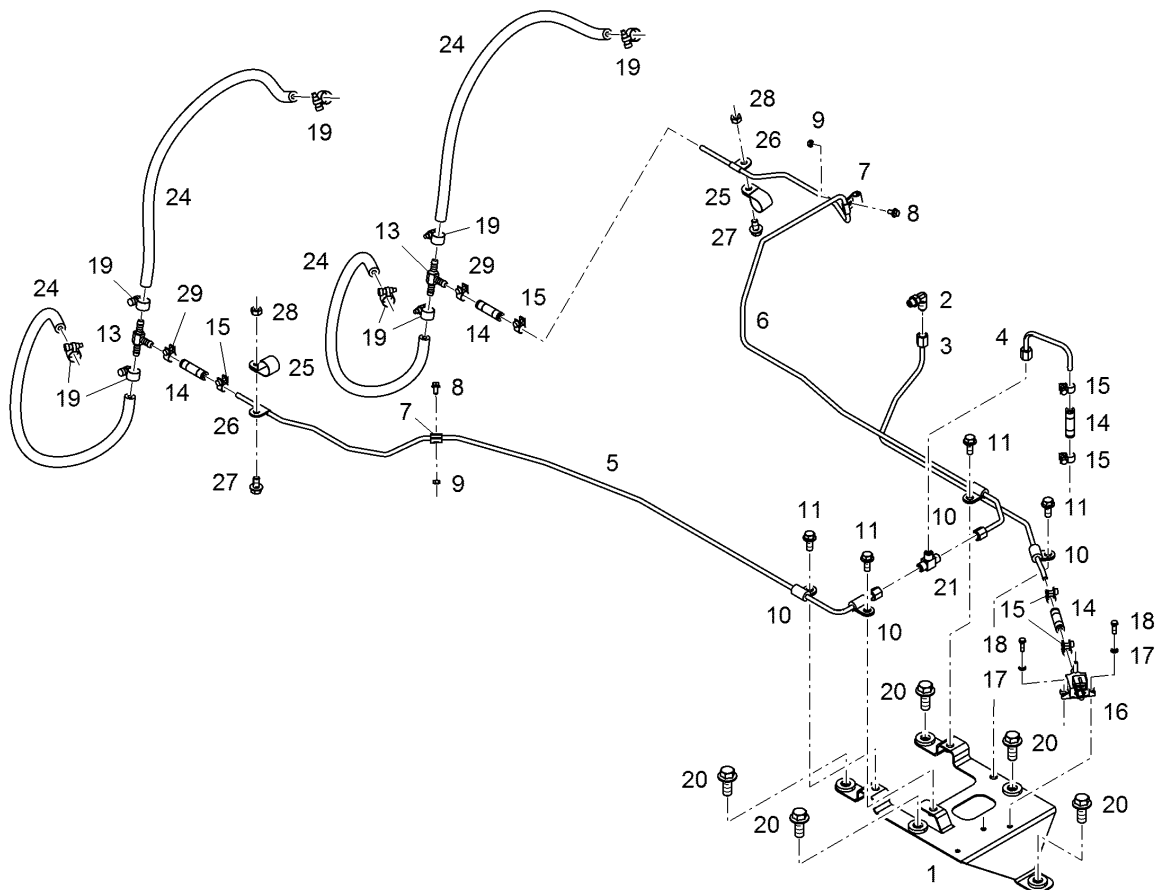
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
3	230610542	-	Exhaust nozzle	2	UN			
4	230610342	-	Hex screw	12	UN			
5	230610520	-	Retainer clip	2	UN			



Regulation boost pressure

230610870

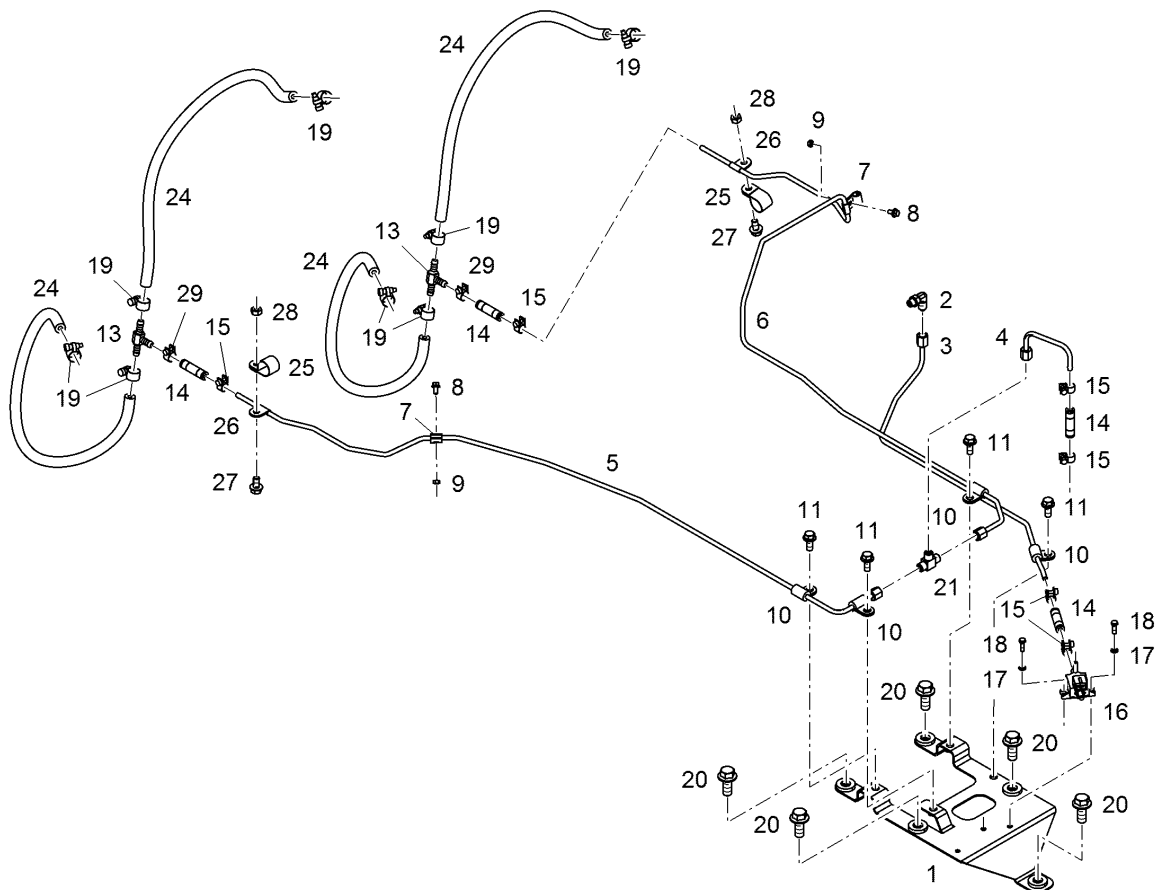
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610871	-	Plate	1	UN			
2	230610722	-	Flange joint	1	UN			
3	230610872	-	Pipeline	1	UN			
4	230610873	-	Pipeline	1	UN			
5	230610996	-	Pipeline	1	UN			
6	230610997	-	Pipeline	1	UN			
7	230610532	-	Pipe clamp	2	UN			
8	230610706	-	Hex screw	2	UN			
9	230610394	-	Hex nut	2	UN			
10	230610088	-	Clamp	4	UN			
11	230610319	-	Hex screw	4	UN			
13	230610649	-	Hose nipple	2	UN			
14	230610212	-	Rubber connection	4	UN			
15	230610083	-	Hose clamp	6	UN			
16	230610082	-	Cycle valve	1	UN			
17	230610260	-	Washer	2	UN			



Regulation boost pressure

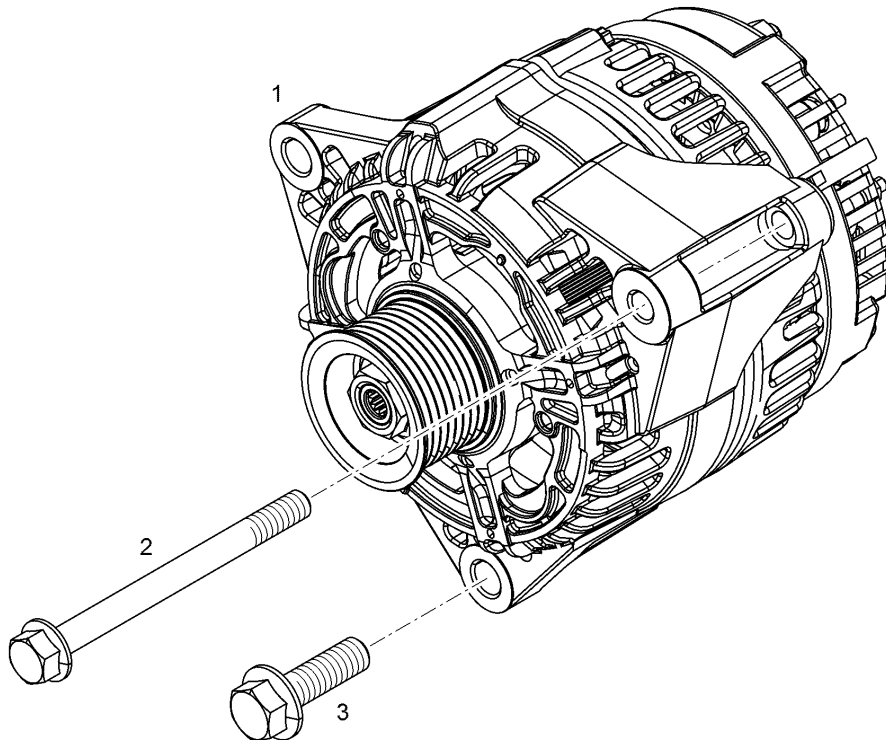
230610870

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
18	230610309	-	Hex screw	2	UN			
19	230610405	-	Hose clamp	8	UN			
20	230610332	-	Hex screw	5	UN			
21	230610240	-	Flange joint	1	UN			
24	230610543	-	Rubber connection	2	UN			
25	230610419	-	Clamp	2	UN			
26	230610096	-	Clamp	2	UN			
27	230610314	-	Hex screw	2	UN			
28	230610161	-	Hex nut	2	UN			
29	230610928	-	Hose clamp	2	UN			



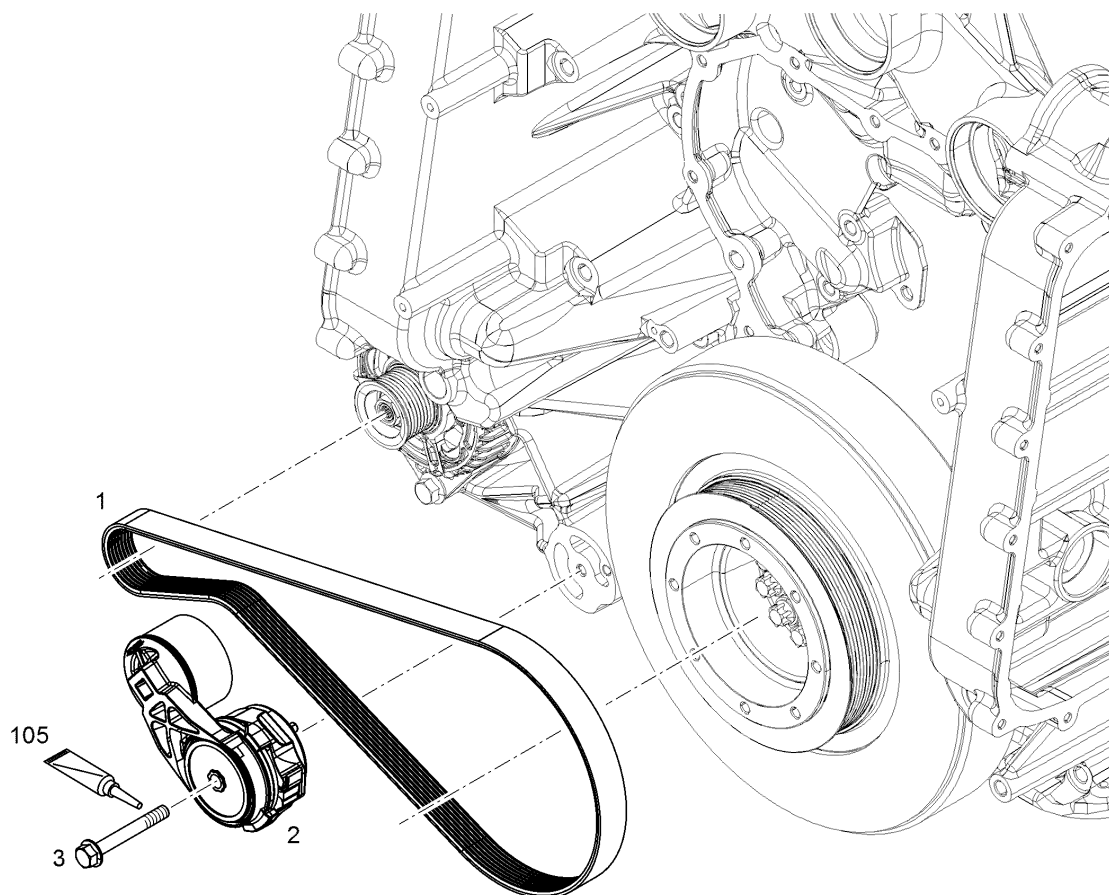
Generator add-on 230610814

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610917	-	Generator, pre-assembled	1	UN		
2	230610340	-	Hex screw	1	UN		
3	230610336	-	Hex screw	1	UN		
4	230611951	-	Nut	1	UN		
5	230611973	-	Bushing	1	UN		



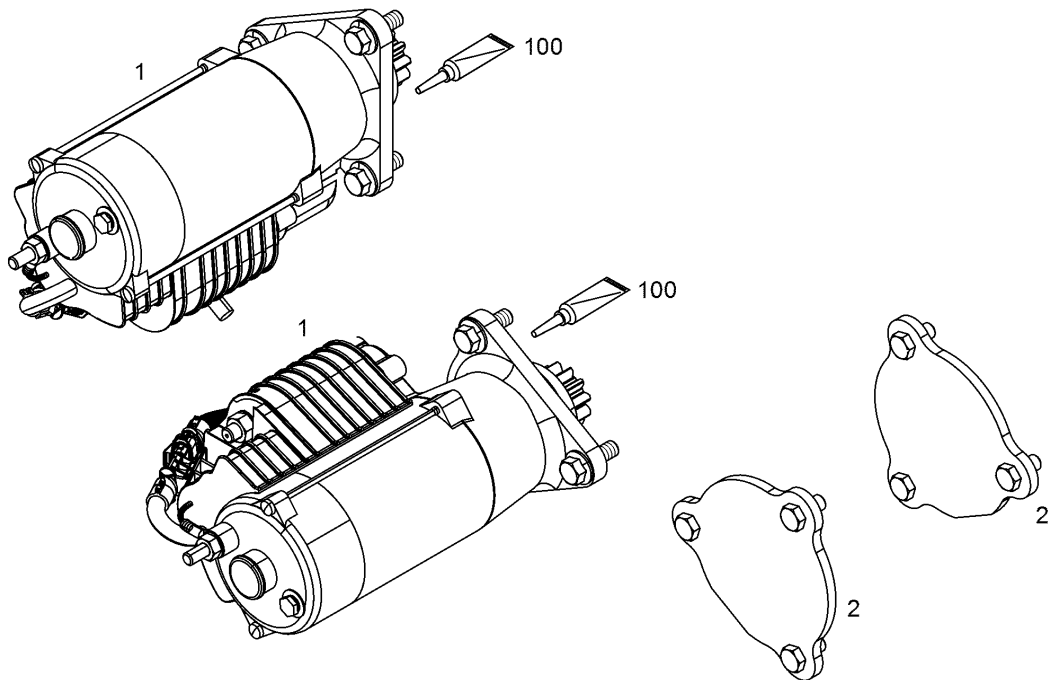
Belt drive 230610815

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611648	-	Belt	1	UN		
2	230610650	-	Fastening device	1	UN		
3	230612322	-	Hex screw	1	UN		
105	230611017	-	Screw locking	1	UN		



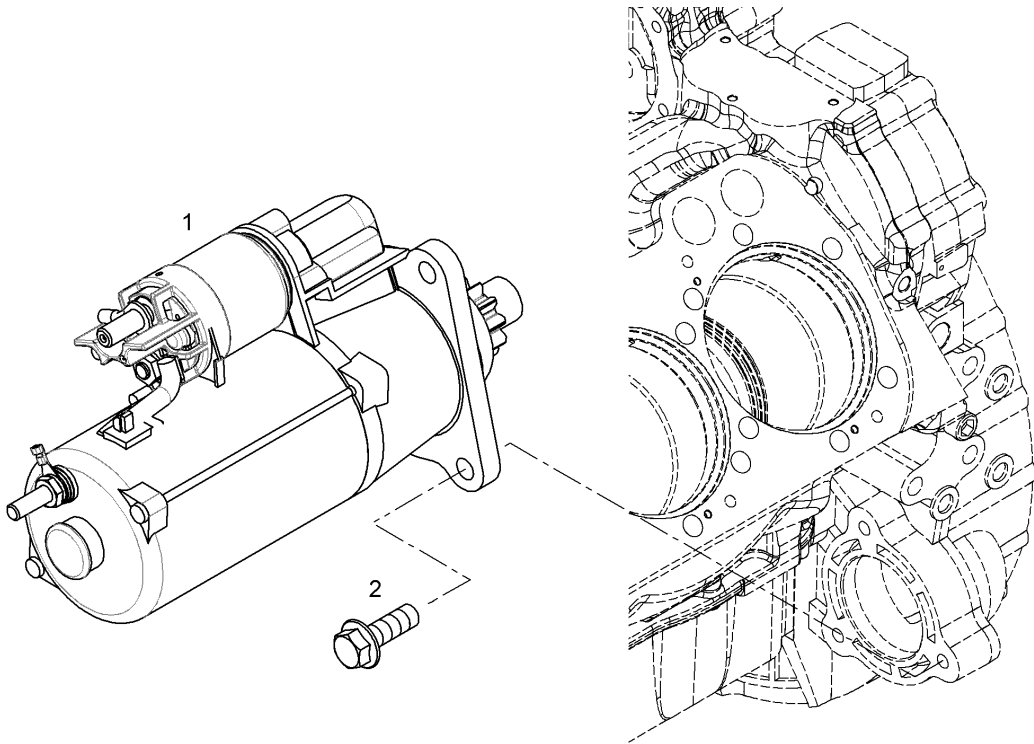
Starter installation
230610861

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610505	-	Starter installation	2	UN		91
2	230610221	-	Locking pieces	2	UN		93
100	230610702	-	Grease	1	UN		7



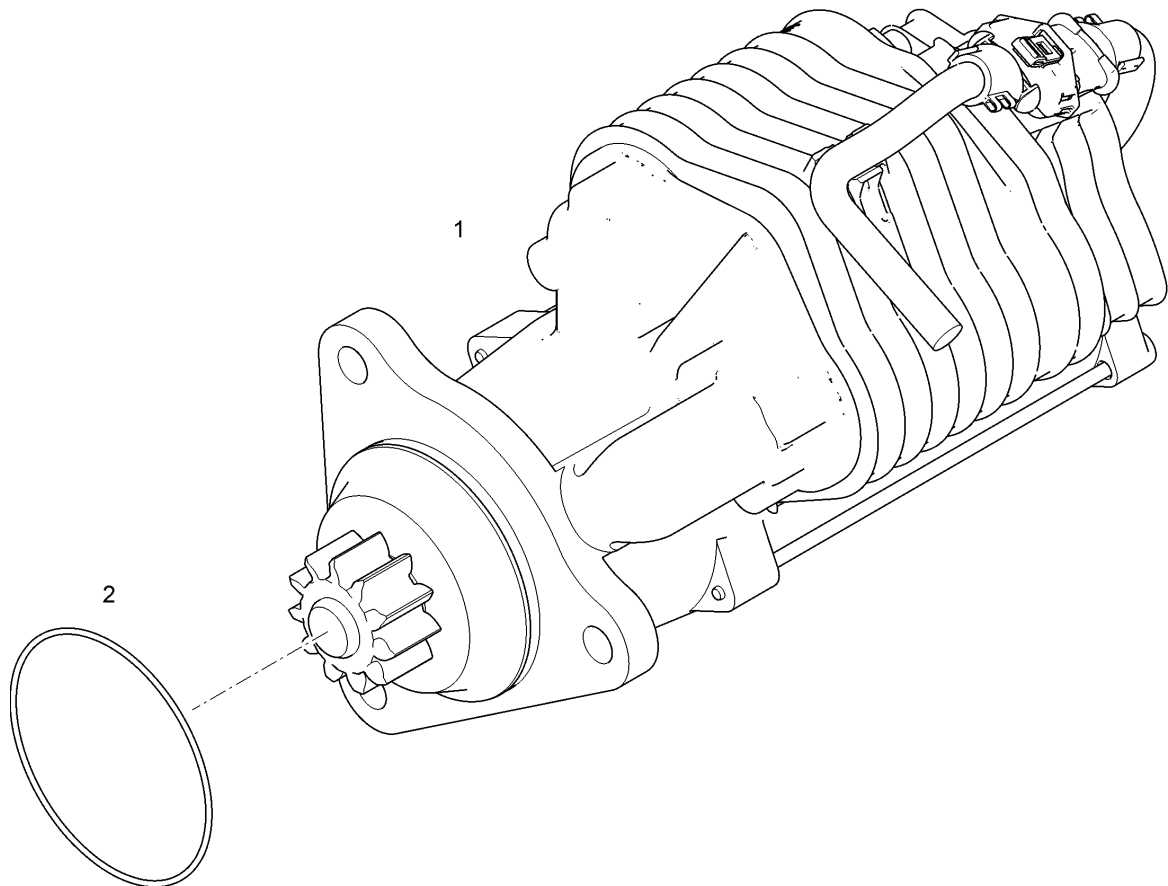
Starter installation
230610505

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610506	-	Starter pre-assy.	1	UN			92
2	230611961	-	Screw	3	UN			



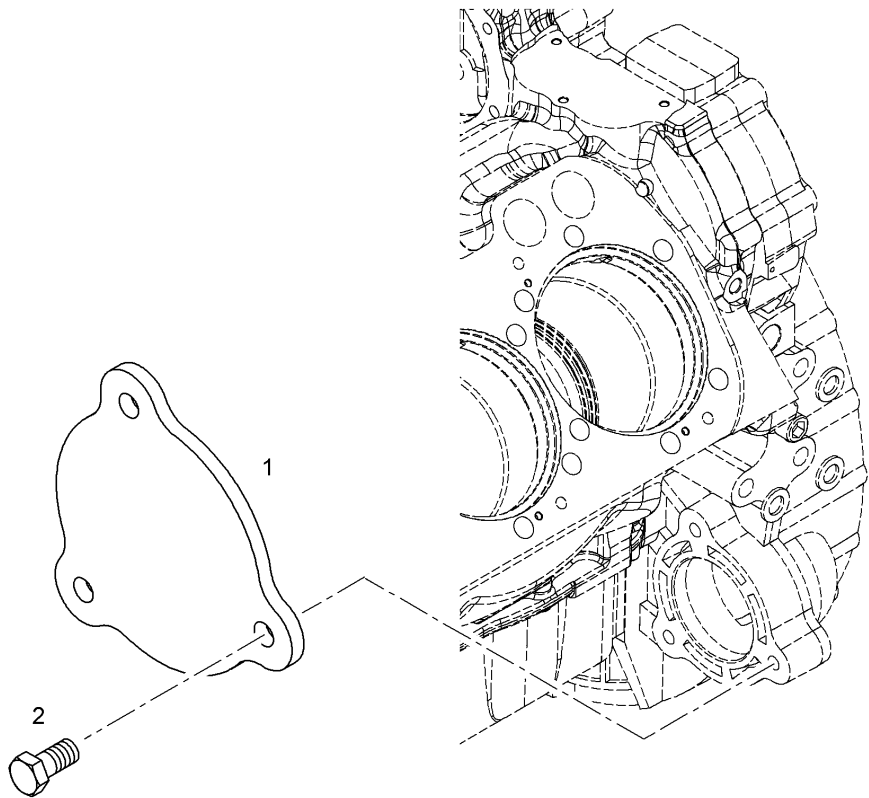
Starter pre-assy.
230610506

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610507	-	Starter	1	UN		
2	230610701	-	O-ring	1	UN		



Locking pieces
230610221

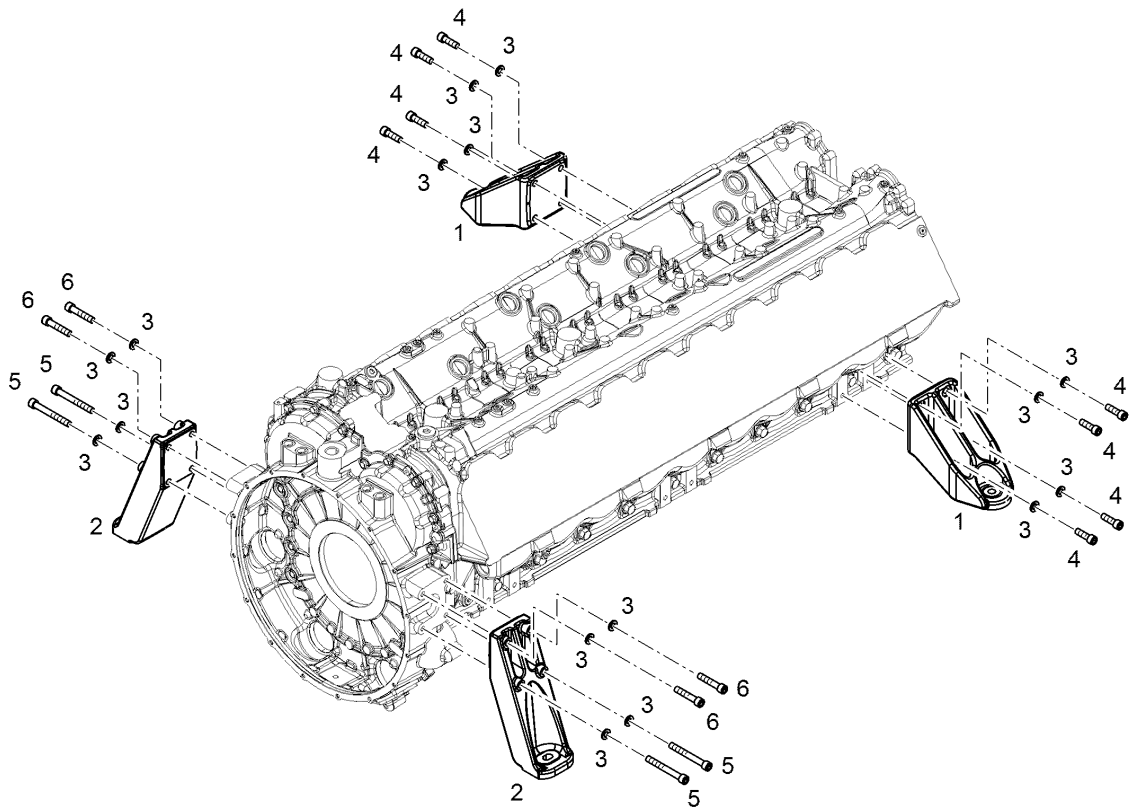
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610436	-	Cover	1	UN			
2	230610386	-	Hex screw	3	UN			



Fastening pieces assembly

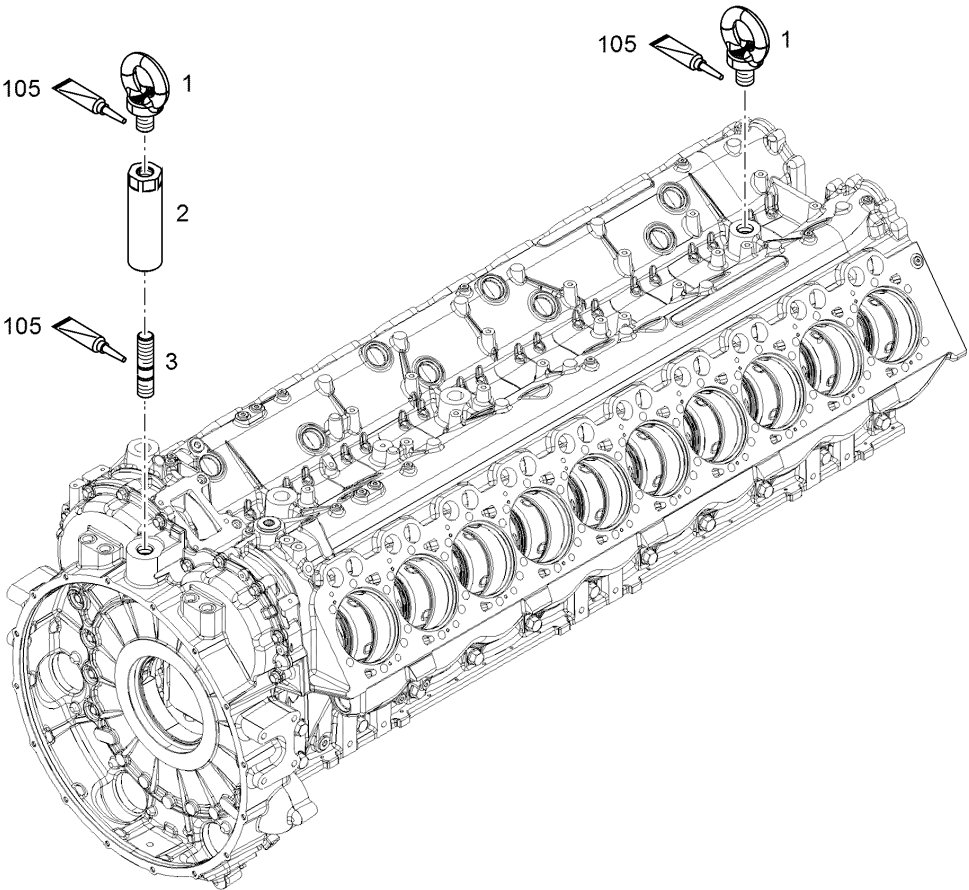
230610811

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610812	-	Fixing parts	2	UN			
2	230610813	-	Fixing parts	2	UN			
3	230611012	-	Washer	16	UN			
4	230610388	-	Socket head screw	8	UN			
5	230610387	-	Socket head screw	4	UN			
6	230610468	-	Socket head screw	4	UN			



Lifting device
230610600

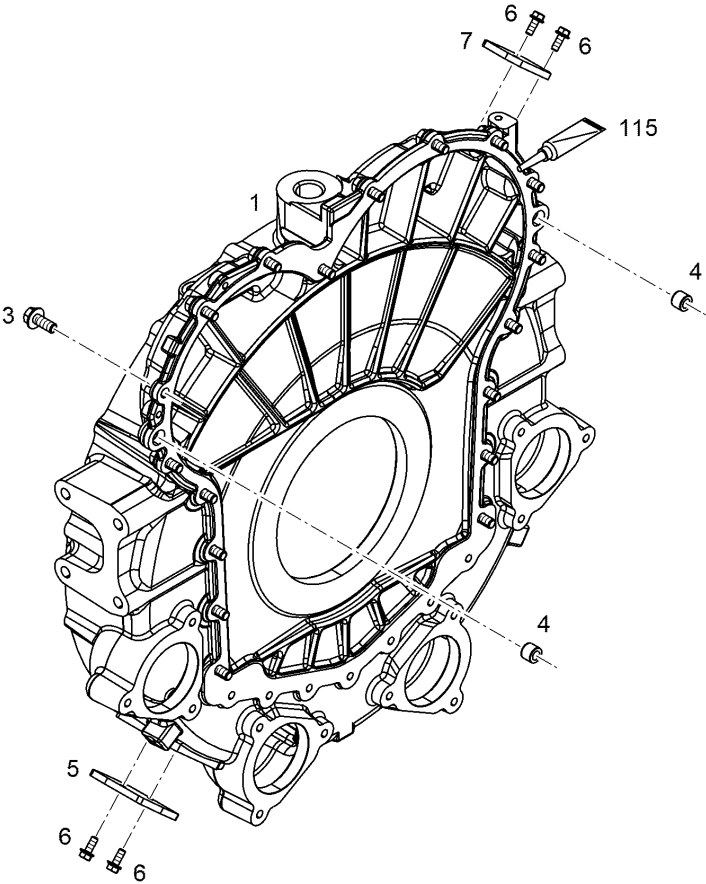
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610935	-	Ring bolt	2	UN			
2	230610810	-	Spacer piece	1	UN			
3	230610954	-	Double-ended stud	1	UN			
105	230611017	-	Screw locking	1	UN			



Flywheel housing mounting

230610764

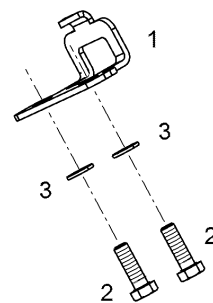
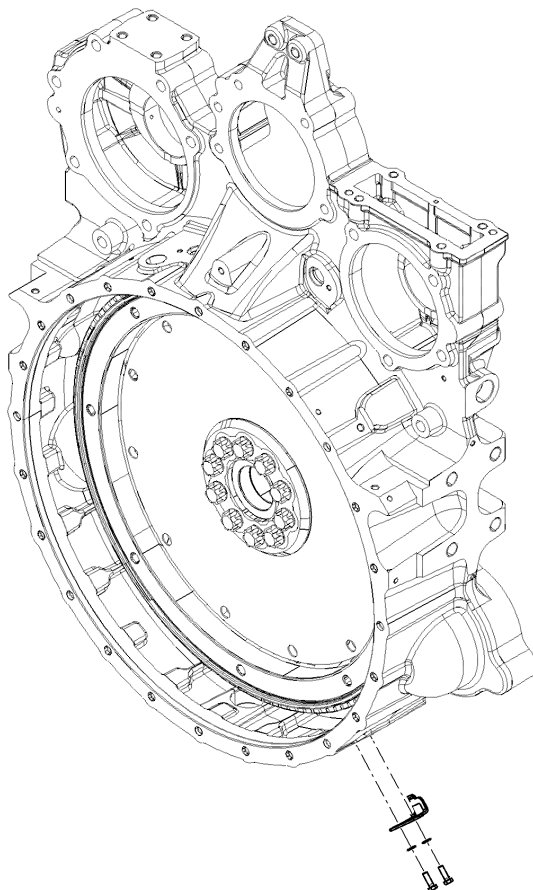
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610898	-	Flywheel housing	1	UN			
3	230610942	-	Hex screw	18	UN			
4	230610510	-	Tight fit sleeve	2	UN			
5	230610440	-	Cover	1	UN			
6	230611470	-	Hex screw	4	UN			
7	230610908	-	Cover	1	UN			
131	230611964	-	Sealant paste	1	UN			



Control plate assembly

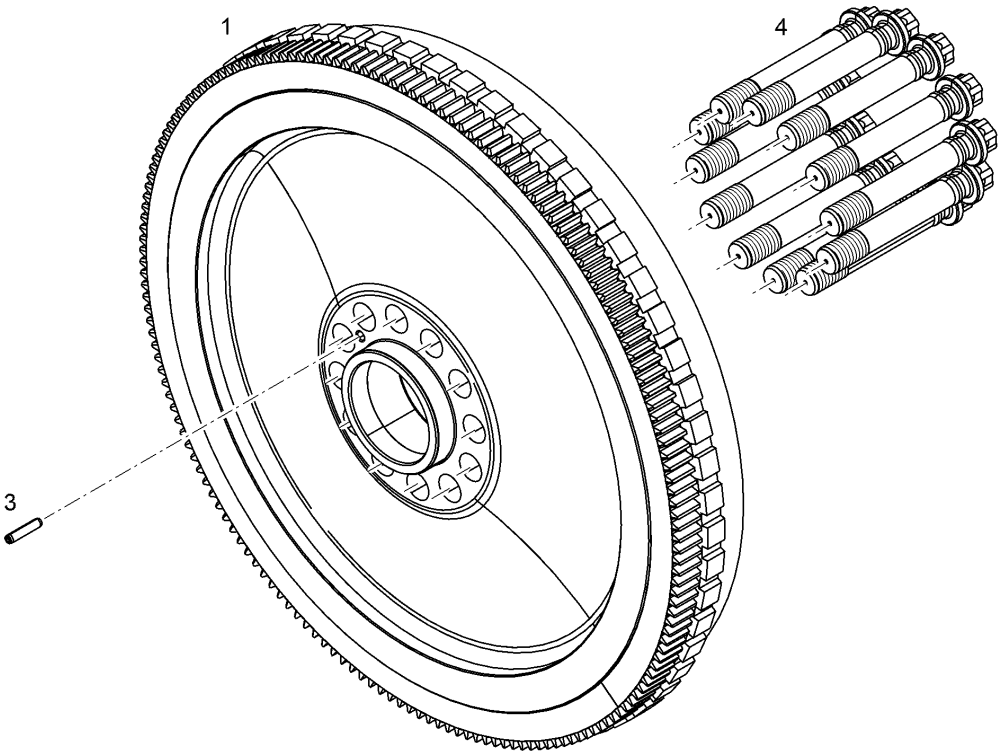
230610434

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610517	-	Ajdusting plate	1	UN		
2	230611010	-	Hex screw	2	UN		
3	230610395	-	Washer	2	UN		



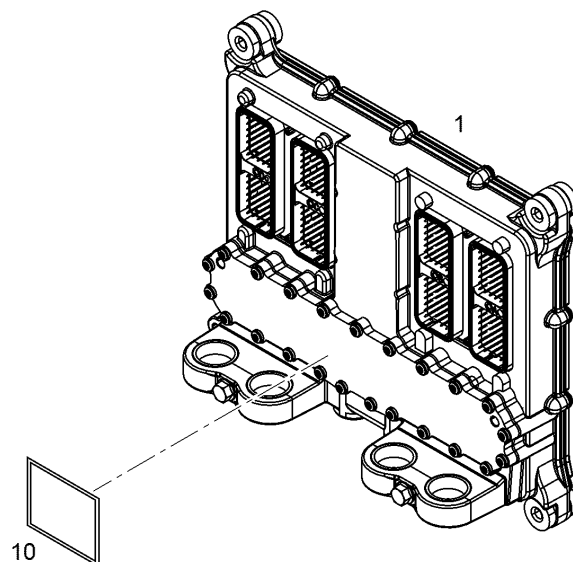
Flywheel assembly
230610698

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610699	-	Flywheel pre-ass.	1	UN		
3	230610462	-	Spiral dowel pin	1	UN		
4	230610739	-	Hexalobular head screw	12	UN		



Motor control device
230610921

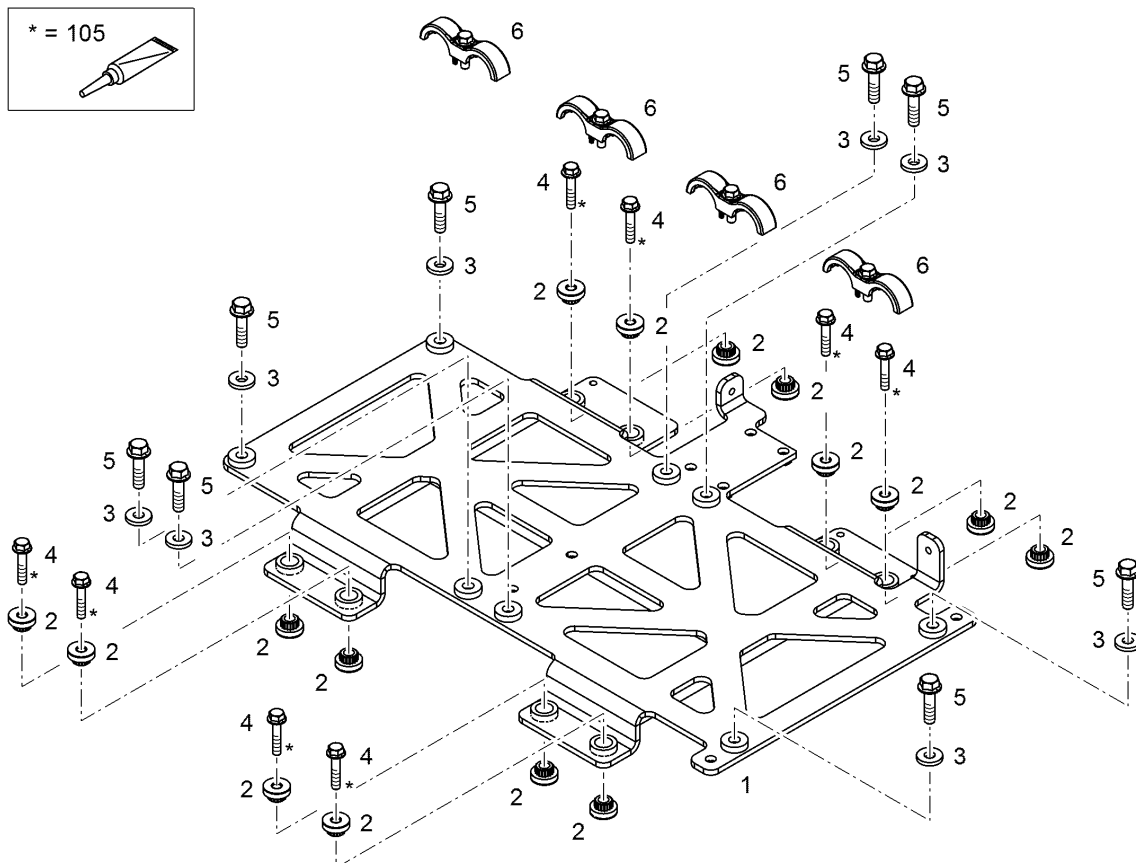
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610256	-	Motor control device	1	UN		
10	230610454	-	Company name plate	1	UN		



Control box annexe

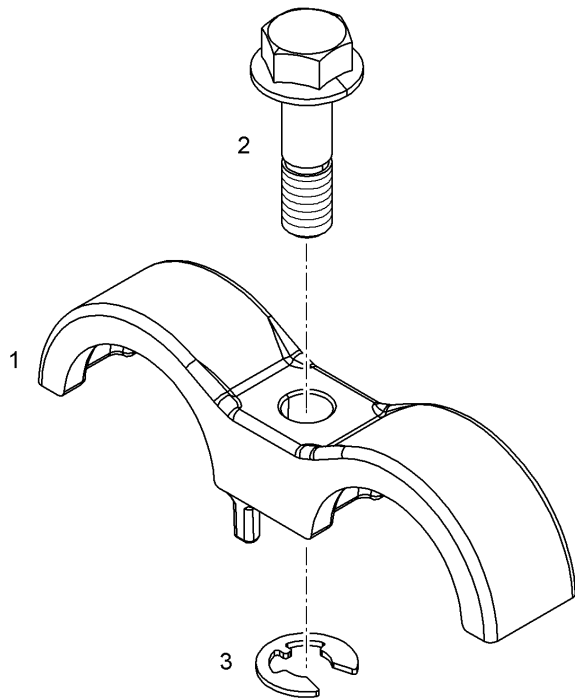
230610796

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610787	-	Console	1	UN			
2	230610269	-	Rubber buffer	16	UN			
3	230610374	-	Washer	8	UN			
4	230610324	-	Hex screw	8	UN			
5	230610489	-	Hex screw	8	UN			
6	230610072	-	Fastening clamp	4	UN			101
105	230611017	-	Screw locking	1	UN			



Fastening clamp
230610072

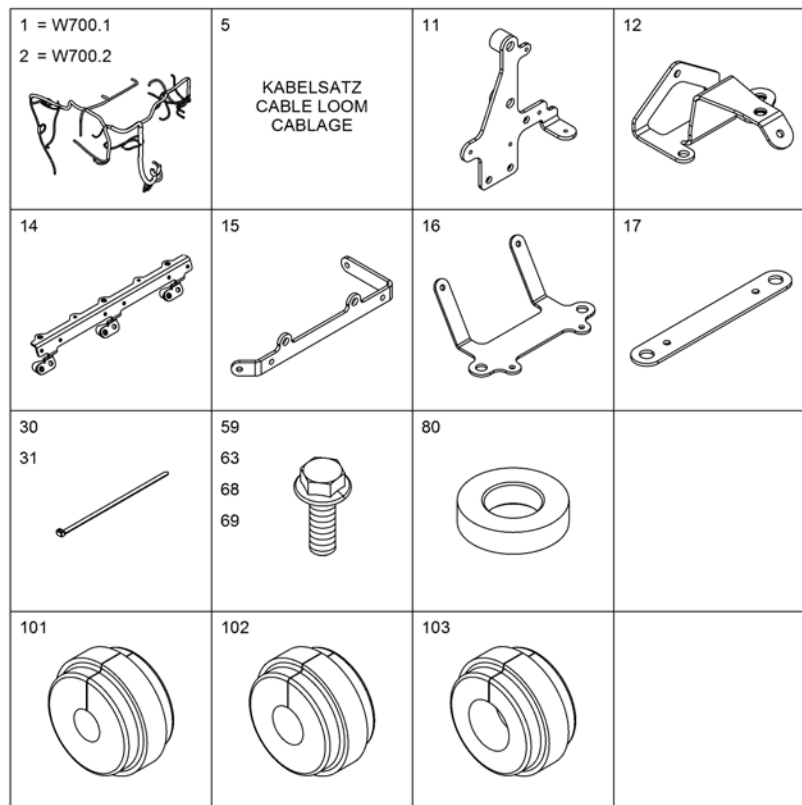
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610511	-	Fastening clamp	1	UN		
2	230610544	-	Screw	1	UN		
3	230610375	-	Washer	1	UN		



Cable harness mounting

230610986

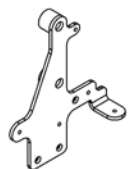
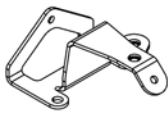
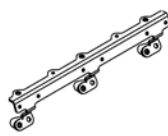
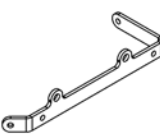
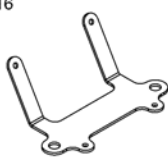
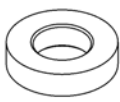
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610981	-	Cable harness	1	UN			
2	230610982	-	Cable harness	1	UN			
5	230610807	-	Cable loom	1	UN			
11	230610830	-	Holder	1	UN			
12	230610833	-	Holder	1	UN			
14	230610839	-	Holder	6	UN			
15	230610840	-	Holder	1	UN			
16	230610832	-	Holder	2	UN			
17	230610831	-	Holder	2	UN			
30	230610938	-	Cable tie	4	UN			
31	230610939	-	Cable tie	83	UN			
59	230610319	-	Hex screw	6	UN			
63	230610329	-	Hex screw	18	UN			
68	230610332	-	Hex screw	8	UN			
69	230610929	-	Hex screw	2	UN			
80	230610451	-	Spacer piece	8	UN			



Cable harness mounting

230610986

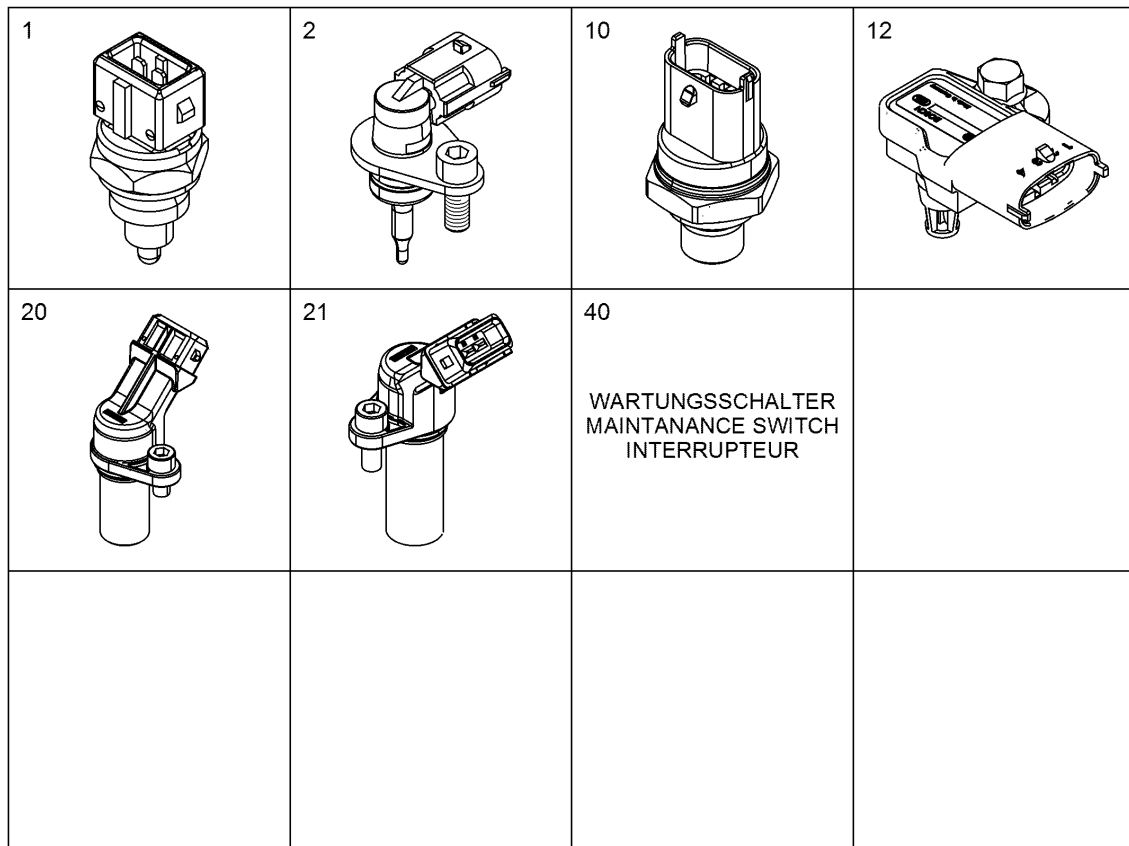
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
101	230610533	-	Rubber ring	1	UN			
102	230610534	-	Rubber ring	1	UN			
103	230610513	-	Rubber ring	2	UN			

1 = W700.1 2 = W700.2 	5 KABELSATZ CABLE LOOM CABLAGE	11 	12 
14 	15 	16 	17 
30 31 	59 63 68 69 	80 	
101 	102 	103 	

Engine control sensors

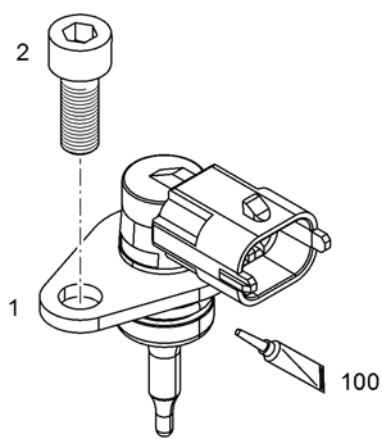
230610632

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610270	-	Temperature sensor	3	UN			
2	230610272	-	Temperature probe cpl.	1	UN			105
10	230610901	-	Pressure transmitter cpl.	2	UN		10.13.2016	106
10	230610075	-	Pressure transmitter cpl.	2	UN			107
						10.14.2016 ->	->	
12	230610077	-	Temperature sensor cpl.	1	UN			108
20	230610078	-	Rotational speed sensor cpl.	1	UN			109
21	230610081	-	Rotational speed sensor cpl.	1	UN			110
40	230610184	-	Maintenance switch	4	UN			



Temperature probe cpl.
230610272

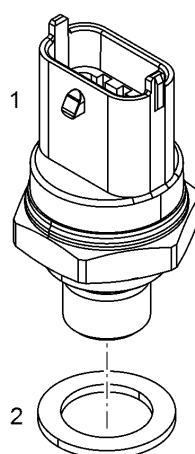
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610271	-	Temperature sensor	1	UN		
2	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		7



Pressure transmitter cpl.

230610901

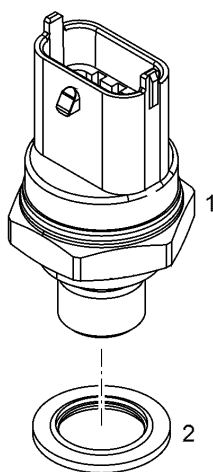
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610864	-	Pressure transmitter	1	UN		
2	230610056	-	Sealing ring	1	UN		



Pressure transmitter cpl.

230610075

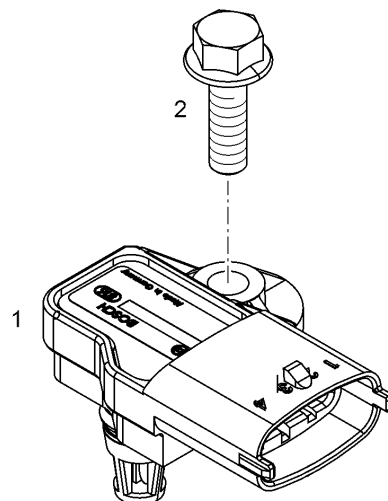
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611019	-	Pressure transmitter	1	UN		
2	230610056	-	Sealing ring	1	UN		



Temperature sensor cpl.

230610077

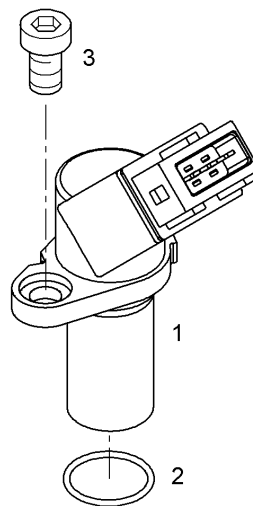
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610076	-	Temperature sensor	1	UN		
2	230610315	-	Hex screw	1	UN		
100	230610702	-	Grease	1	UN		7



Rotational speed sensor cpl.

230610078

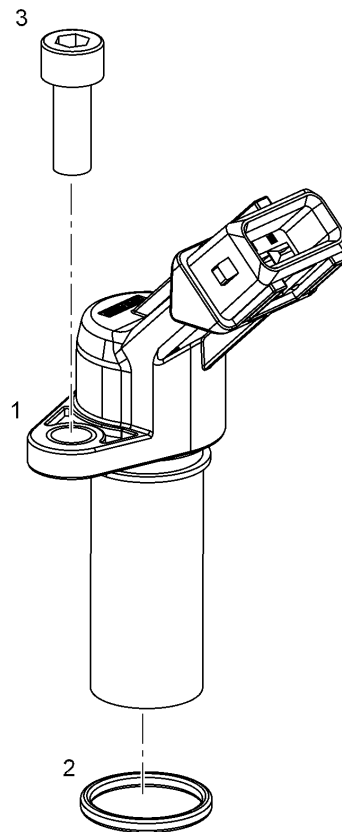
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610079	-	Rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		7



Rotational speed sensor cpl.

230610081

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610080	-	Rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		7



Engine electrics

230610825

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
90	230610826	-	Electrical circuit diagram	1	UN		

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SANS PLANCHE

Ordering PN

Part number	Ver	Description	Ordering PN
230510001	-	Oil filter	
230510004	-	Fuel filter	230510004
230610050	-	Locking ring	230610050
230610052	-	Sealing ring	230610052
230610053	-	Sealing ring	230610053
230610054	-	Sealing ring	230610054
230610055	-	Sealing ring	230610055
230610056	-	Sealing ring	230610056
230610057	-	Sealing ring	230610057
230610058	-	Sealing ring	230610058
230610059	-	Sealing ring	230610059
230610060	-	Connecting rod assembly	230610060
230610063	-	Screw plug	230610063
230610064	-	Screw plug	230610064
230610065	-	Screw plug	230610065
230610066	-	Screw plug	230610066
230610067	-	Screw plug	230610067
230610070	-	Screw plug	230610070
230610071	-	Screw plug	230610071
230610072	-	Fastening clamp	230610072
230610073	-	Cylinder head cover assembly	230610073
230610075	-	Pressure transmitter cpl.	230610075
230610076	-	Temperature sensor	230610076
230610077	-	Temperature sensor cpl.	230610077
230610078	-	Rotational speed sensor cpl.	230610078
230610079	-	Rotational speed sensor	230610079
230610080	-	Rotational speed sensor	230610080
230610081	-	Rotational speed sensor cpl.	230610081

Ordering PN

Part number	Ver	Description	Ordering PN
230610082	-	Cycle valve	230610082
230610083	-	Hose clamp	230610083
230610085	-	Hose clamp	230610085
230610087	-	Clamp	230610087
230610088	-	Clamp	230610088
230610096	-	Clamp	230610096
230610099	-	Hose clamp	230610099
230610100	-	Retainer clip	230610100
230610120	-	Overflow-oil line	230610120
230610130	-	Ventilation line	230610130
230610151	-	Cover	230610151
230610152	-	End cover	230610152
230610153	-	Cylinder head assembly	230610153
230610155	-	Cylinder	230610155
230610160	-	Rocker arms device cpl.	230610160
230610161	-	Hex nut	230610161
230610162	-	Hex nut	230610162
230610163	-	Nut	230610163
230610180	-	Double-ended stud	230610180
230610181	-	Parallel pin	230610181
230610182	-	Jaw	230610182
230610183	-	Rk injector	230610183
230610184	-	Maintenance switch	230610184
230610185	-	Oil dipstick cpl.	230610185
230610186	-	Seal	230610186
230610189	-	Seal	230610189
230610190	-	Cylinder head gasket	230610190
230610191	-	Seal	230610191

Ordering PN

Part number	Ver	Description	Ordering PN
230610193	-	Seal	230610193
230610196	-	Rotary shaft lip seal	230610196
230610198	-	O-ring	230610198
230610199	-	O-ring	230610199
230610200	-	O-ring	230610200
230610202	-	O-ring	230610202
230610203	-	O-ring	230610203
230610208	-	O-ring	230610208
230610209	-	O-ring	230610209
230610212	-	Rubber connection	230610212
230610215	-	Rubber connection	230610215
230610217	-	Rubber connection	230610217
230610221	-	Locking pieces	230610221
230610222	-	Intermediate part	230610222
230610224	-	Piston cpl.	230610224
230610227	-	Seal kit high press.connector	230610227
230610228	-	Seal kit injector	230610228
230610239	-	Roller tappet	230610239
230610240	-	Flange joint	230610240
230610242	-	Flange joint	230610242
230610243	-	Flange joint	230610243
230610245	-	Flange joint	230610245
230610250	-	Fittings	230610250
230610251	-	High pressure connector	230610251
230610252	-	Double nipple	230610252
230610253	-	Hose nipple	230610253
230610256	-	Motor control device	230610256
230610257	-	Oil filler inlet	230610257

Ordering PN

Part number	Ver	Description	Ordering PN
230610260	-	Washer	230610260
230610263	-	Washer	230610263
230610266	-	Dsf ring	230610266
230610267	-	Piston ring mg	230610267
230610268	-	Kb-ring	230610268
230610269	-	Rubber buffer	230610269
230610270	-	Temperature sensor	230610270
230610271	-	Temperature sensor	230610271
230610272	-	Temperature probe cpl.	230610272
230610274	-	Shut-off valve	230610274
230610277	-	Support plate	230610277
230610278	-	Support plate	230610278
230610286	-	Thermostat	230610286
230610309	-	Hex screw	230610309
230610312	-	Hex screw	230610312
230610314	-	Hex screw	230610314
230610315	-	Hex screw	230610315
230610317	-	Socket head screw	230610317
230610318	-	Hex screw	230610318
230610319	-	Hex screw	230610319
230610320	-	Hex screw	230610320
230610322	-	Hex screw	230610322
230610323	-	Hex screw	230610323
230610324	-	Hex screw	230610324
230610326	-	Hex screw	230610326
230610329	-	Hex screw	230610329
230610332	-	Hex screw	230610332
230610333	-	Hex screw	230610333

Ordering PN

Part number	Ver	Description	Ordering PN
230610336	-	Hex screw	230610336
230610340	-	Hex screw	230610340
230610342	-	Hex screw	230610342
230610345	-	Double banjo bolt	230610345
230610350	-	Hexalobular head screw	230610350
230610351	-	Hollow screw	230610351
230610352	-	Hollow screw	230610352
230610353	-	Hollow screw	230610353
230610354	-	Hollow screw	230610354
230610357	-	Hollow screw	230610357
230610363	-	Cylinder screw	230610363
230610366	-	Pipe clamp	230610366
230610370	-	Hex screw	230610370
230610372	-	Hex nut	230610372
230610374	-	Washer	230610374
230610375	-	Washer	230610375
230610376	-	Screw plug	230610376
230610378	-	Hollow screw	230610378
230610382	-	Locking ring	230610382
230610384	-	Clamp	230610384
230610385	-	Hose clamp	230610385
230610386	-	Hex screw	230610386
230610387	-	Socket head screw	230610387
230610388	-	Socket head screw	230610388
230610389	-	Hose clamp	230610389
230610391	-	Parallel pin	230610391
230610392	-	Socket head screw	230610392
230610393	-	Sealing ring	230610393

Ordering PN

Part number	Ver	Description	Ordering PN
230610394	-	Hex nut	230610394
230610395	-	Washer	230610395
230610397	-	End cover	230610397
230610398	-	End cover	230610398
230610399	-	Hollow screw	230610399
230610400	-	Socket head screw	230610400
230610401	-	Parallel pin	230610401
230610405	-	Hose clamp	230610405
230610406	-	Parallel pin	230610406
230610407	-	O-ring	230610407
230610408	-	O-ring	230610408
230610409	-	Sealing ring	230610409
230610410	-	Clamp	230610410
230610412	-	O-ring	230610412
230610413	-	O-ring	230610413
230610415	-	Screw plug	230610415
230610416	-	O-ring	230610416
230610417	-	O-ring	230610417
230610418	-	Pipe clamp	230610418
230610419	-	Clamp	230610419
230610420	-	O-ring	230610420
230610421	-	Fittings	230610421
230610422	-	Clamp	230610422
230610424	-	Clamp	230610424
230610425	-	Clamp	230610425
230610426	-	Clamp	230610426
230610427	-	O-ring	230610427
230610428	-	Nozzle	230610428

Ordering PN

Part number	Ver	Description	Ordering PN
230610429	-	Pipe clamp	230610429
230610431	-	Glue	230610431
230610432	-	Distance sleeve	230610432
230610434	-	Control plate assembly	230610434
230610435	-	Spring support	230610435
230610436	-	Cover	230610436
230610437	-	Hose nipple	230610437
230610439	-	Seal	230610439
230610440	-	Cover	230610440
230610441	-	O-ring	230610441
230610442	-	Fittings	230610442
230610443	-	Distance sleeve	230610443
230610444	-	Cover	230610444
230610445	-	Seal	230610445
230610446	-	Tight fit sleeve	230610446
230610447	-	Seal	230610447
230610448	-	Seal	230610448
230610449	-	Rubber connection	230610449
230610451	-	Spacer piece	230610451
230610452	-	Hose nipple	230610452
230610453	-	Rubber connection	230610453
230610454	-	Company name plate	230610454
230610455	-	Rubber connection	230610455
230610456	-	Copper paste	230610456
230610458	-	Hex screw	230610458
230610459	-	Hex screw	230610459
230610461	-	Hex screw	230610461
230610462	-	Spiral dowel pin	230610462

Ordering PN

Part number	Ver	Description	Ordering PN
230610463	-	Valve spring	230610463
230610464	-	Hex screw	230610464
230610468	-	Socket head screw	230610468
230610469	-	Hex screw	230610469
230610470	-	Sealing plug	230610470
230610471	-	Hex screw	230610471
230610477	-	Sealing plug	230610477
230610478	-	End cover	230610478
230610479	-	Spherical washer	230610479
230610482	-	Hex screw	230610482
230610484	-	Screw plug	230610484
230610485	-	Hex screw	230610485
230610486	-	Hex screw	230610486
230610488	-	Threaded insert	230610488
230610489	-	Hex screw	230610489
230610490	-	Hex screw	230610490
230610491	-	Pipe clamp	230610491
230610493	-	Support plate	230610493
230610494	-	Support plate	230610494
230610495	-	Oil dipstick	230610495
230610496	-	Hexalobular head screw	230610496
230610500	-	Non-return valve	230610500
230610501	-	Ventilation line	230610501
230610503	-	Distance sleeve	230610503
230610504	-	Valve stem seal ring	230610504
230610505	-	Starter installation	230610505
230610506	-	Starter pre-assy.	230610506
230610507	-	Starter	230610507

Ordering PN

Part number	Ver	Description	Ordering PN
230610509	-	Connection piece	230610509
230610510	-	Tight fit sleeve	230610510
230610511	-	Fastening clamp	230610511
230610512	-	Rubber connection	230610512
230610513	-	Rubber ring	230610513
230610514	-	Regulating valve	230610514
230610517	-	Ajdusting plate	230610517
230610518	-	Rubber connection	230610518
230610520	-	Retainer clip	230610520
230610521	-	Rubber connection	230610521
230610524	-	Rubber connection	230610524
230610526	-	O-ring	230610526
230610527	-	Camshaft bearing	230610527
230610528	-	Overflow-oil line	230610528
230610531	-	Rubber connection	230610531
230610532	-	Pipe clamp	230610532
230610533	-	Rubber ring	230610533
230610534	-	Rubber ring	230610534
230610535	-	Distance sleeve	230610535
230610537	-	Cylinder head cover assembly	230610537
230610538	-	Holder	230610538
230610539	-	Distance sleeve	230610539
230610540	-	Hexalobular head screw	230610540
230610541	-	Retainer clip	230610541
230610542	-	Exhaust nozzle	230610542
230610543	-	Rubber connection	230610543
230610544	-	Screw	230610544
230610545	-	Sheet gasket	230610545

Ordering PN

Part number	Ver	Description	Ordering PN
230610546	-	Guiding pipe	230610546
230610547	-	Hexalobular head screw	230610547
230610552	-	Outlet valve	230610552
230610553	-	Washer	230610553
230610554	-	Exhaust valve seat insert	230610554
230610556	-	Cylinder head cover assembly	230610556
230610557	-	Connecting rod pre-assy.	230610557
230610558	-	Connecting rod bearing	230610558
230610559	-	Connecting rod bearing	230610559
230610560	-	Main bearing	230610560
230610561	-	Main bearing	230610561
230610564	-	Main bearing	230610564
230610565	-	Main bearing	230610565
230610567	-	Bearing flange	230610567
230610568	-	Shaft	230610568
230610569	-	Flange	230610569
230610570	-	Piston cooling	230610570
230610574	-	Locking pieces	230610574
230610581	-	Hexagon head screw	230610581
230610582	-	Hexagon head screw	230610582
230610583	-	Thrust washer	230610583
230610584	-	Thrust washer	230610584
230610585	-	Crankshaft sealing	230610585
230610586	-	Crankcase breather assembly	230610586
230610587	-	Control parts	230610587
230610588	-	Piston bolt	230610588
230610589	-	Cylinder head cover assembly	230610589
230610590	-	Viscose damper	230610590

Ordering PN

Part number	Ver	Description	Ordering PN
230610591	-	Bearing	230610591
230610593	-	Valve stem guide	230610593
230610594	-	Locking screw	230610594
230610596	-	Exhaust pipe assembly	230610596
230610597	-	Lamellar disk kit	230610597
230610598	-	Compensator	230610598
230610599	-	Exhaust nozzle	230610599
230610600	-	Lifting device	230610600
230610601	-	Charge air line assembly	230610601
230610602	-	Plate	230610602
230610603	-	Distributor block	230610603
230610604	-	Distributor block	230610604
230610605	-	Fuel line	230610605
230610606	-	Fuel line	230610606
230610607	-	Fuel line	230610607
230610608	-	Fuel line	230610608
230610609	-	Water pump with fastening	230610609
230610610	-	Heat protection sheet	230610610
230610611	-	Outlet manifold	230610611
230610612	-	Outlet manifold	230610612
230610613	-	Distributor block	230610613
230610614	-	Distributor block	230610614
230610615	-	Overflow-oil line	230610615
230610616	-	Overflow-oil line	230610616
230610617	-	Overflow-oil line	230610617
230610618	-	Overflow-oil line	230610618
230610620	-	Lubricating oil line	230610620
230610621	-	Lubricating oil line	230610621

Ordering PN

Part number	Ver	Description	Ordering PN
230610622	-	Lubricating oil line	230610622
230610623	-	Oil line	230610623
230610624	-	Tube	230610624
230610625	-	Oil line	230610625
230610626	-	Oil line	230610626
230610627	-	Oil line	230610627
230610628	-	Oil line	230610628
230610629	-	Oil line	230610629
230610630	-	Console	230610630
230610631	-	Tube	230610631
230610632	-	Engine control sensors	230610632
230610633	-	Pressure spring	230610633
230610634	-	Piston	230610634
230610635	-	Housing pre-assembled	230610635
230610636	-	Flange	230610636
230610637	-	Tube	230610637
230610638	-	Cover	230610638
230610639	-	Main bearing cap	230610639
230610640	-	Main bearing cap	230610640
230610641	-	Crankcase	230610641
230610642	-	Crankcase pre-assy.	230610642
230610643	-	Crankcase cpl.	230610643
230610647	-	Sleeve	230610647
230610649	-	Hose nipple	230610649
230610650	-	Fastening device	230610650
230610654	-	Hex nut	230610654
230610655	-	Adjusting screw	230610655
230610656	-	Washer	230610656

Ordering PN

Part number	Ver	Description	Ordering PN
230610657	-	Pressure limiting valve	230610657
230610660	-	Rocker arm bracket pre-ass.	230610660
230610664	-	Housing pre-assembled	230610664
230610669	-	Drive shaft	230610669
230610671	-	Injector assy	230610671
230610672	-	Seal	230610672
230610673	-	Injector with fastening	230610673
230610677	-	Gear wheel	230610677
230610678	-	Washer	230610678
230610680	-	Holder	230610680
230610682	-	Drive for high pressure pump	230610682
230610683	-	Filler neck	230610683
230610686	-	Power unit support attachment	230610686
230610688	-	Gearwheel pre-ass.	230610688
230610692	-	Gear wheel	230610692
230610693	-	Gear wheel	230610693
230610697	-	Valve bridge	230610697
230610698	-	Flywheel assembly	230610698
230610699	-	Flywheel pre-ass.	230610699
230610701	-	O-ring	230610701
230610702	-	Grease	230610702
230610704	-	Hex screw	230610704
230610705	-	Hex screw	230610705
230610706	-	Hex screw	230610706
230610708	-	Socket head screw	230610708
230610709	-	O-ring	230610709
230610710	-	Surface sealing	230610710
230610711	-	Plug-in pipe	230610711

Ordering PN

Part number	Ver	Description	Ordering PN
230610716	-	Hex screw	230610716
230610717	-	Hex screw	230610717
230610718	-	Clamp	230610718
230610720	-	Screw plug	230610720
230610721	-	Flange joint	230610721
230610722	-	Flange joint	230610722
230610723	-	Hex screw	230610723
230610725	-	Pipe clamp	230610725
230610726	-	Flange joint	230610726
230610729	-	O-ring	230610729
230610730	-	Outlet manifold add-on	230610730
230610731	-	Exhaust nozzle	230610731
230610732	-	Exhaust nozzle	230610732
230610733	-	High pressure pipe assembly	230610733
230610734	-	Injection line	230610734
230610735	-	Injection line	230610735
230610736	-	Injection line	230610736
230610737	-	Injection line	230610737
230610738	-	Injection line	230610738
230610739	-	Hexalobular head screw	230610739
230610741	-	Pipeline	230610741
230610743	-	Oil module assembly	230610743
230610744	-	Oil module left	230610744
230610745	-	Oil module right	230610745
230610746	-	Seal	230610746
230610747	-	Oil return pipe	230610747
230610748	-	Oil return pipe	230610748
230610749	-	Oil return pipe	230610749

Ordering PN

Part number	Ver	Description	Ordering PN
230610750	-	Oil return pipe	230610750
230610753	-	Driving parts	230610753
230610754	-	Oil cooler	230610754
230610756	-	Thermostat housing assembly	230610756
230610759	-	Rocker arm support	230610759
230610760	-	Nozzle pre-ass.	230610760
230610761	-	Rocker arm	230610761
230610762	-	Rocker arm	230610762
230610763	-	Rocker axle pre-ass.	230610763
230610764	-	Flywheel housing mounting	230610764
230610769	-	Final control valve	230610769
230610770	-	Fan shaft	230610770
230610771	-	Filter insert	230610771
230610772	-	Oil separator	230610772
230610776	-	Air intake assembly	230610776
230610777	-	Valve collet	230610777
230610778	-	Lubricating oil line	230610778
230610779	-	Seal	230610779
230610780	-	Crankshaft bearings	230610780
230610781	-	Oil sump with fastening	230610781
230610782	-	Oil sump	230610782
230610784	-	Holder	230610784
230610785	-	Suction pipe	230610785
230610786	-	Suction pipe	230610786
230610787	-	Console	230610787
230610788	-	Console	230610788
230610789	-	Fuel lines	230610789
230610790	-	Fuel line	230610790

Ordering PN

Part number	Ver	Description	Ordering PN
230610791	-	Fuel line	230610791
230610792	-	Fuel line	230610792
230610793	-	Fuel line	230610793
230610794	-	Fuel line	230610794
230610795	-	Fuel line	230610795
230610796	-	Control box annexe	230610796
230610797	-	Fuel fine-filter assembly	230610797
230610798	-	Lube oil pump with fastening	230610798
230610799	-	Plate	230610799
230610800	-	Fuel line	230610800
230610801	-	Leak oil line add-on	230610801
230610802	-	Overflow-oil line	230610802
230610803	-	Overflow-oil line	230610803
230610804	-	Overflow-oil line	230610804
230610805	-	Overflow-oil line	230610805
230610806	-	Lubricating oil pump	230610806
230610807	-	Cable loom	230610807
230610808	-	Cylinder head cover assembly	230610808
230610809	-	Cylinder head cover assembly	230610809
230610810	-	Spacer piece	230610810
230610811	-	Fastening pieces assembly	230610811
230610812	-	Fixing parts	230610812
230610813	-	Fixing parts	230610813
230610814	-	Generator add-on	230610814
230610815	-	Belt drive	230610815
230610816	-	Oil sump	230610816
230610825	-	Engine electrics	230610825
230610826	-	Electrical circuit diagram	230610826

Ordering PN

Part number	Ver	Description	Ordering PN
230610829	-	Overflow-oil line	230610829
230610830	-	Holder	230610830
230610831	-	Holder	230610831
230610832	-	Holder	230610832
230610833	-	Holder	230610833
230610839	-	Holder	230610839
230610840	-	Holder	230610840
230610844	-	Fuel filter module	230610844
230610845	-	Fuel filter head	230610845
230610846	-	Timing disk	230610846
230610847	-	Piston	230610847
230610848	-	Inlet valve	230610848
230610851	-	Intake stack	230610851
230610852	-	Intake stack assembly	230610852
230610855	-	Screw plug	230610855
230610856	-	Camshaft pre-ass.	230610856
230610857	-	Camshaft cpl.	230610857
230610860	-	Steep-angle bearing	230610860
230610861	-	Starter installation	230610861
230610864	-	Pressure transmitter	230610864
230610865	-	V-ripped belt	230610865
230610866	-	Belt pulley	230610866
230610867	-	Fan drive assembly	230610867
230610868	-	Exhaust tc mounting	230610868
230610869	-	Exhaust tc mounting	230610869
230610870	-	Regulation boost pressure	230610870
230610871	-	Plate	230610871
230610872	-	Pipeline	230610872

Ordering PN

Part number	Ver	Description	Ordering PN
230610873	-	Pipeline	230610873
230610876	-	High pressure pump	230610876
230610877	-	Cylinder liner	230610877
230610879	-	Tube	230610879
230610880	-	Tube	230610880
230610881	-	Tube	230610881
230610882	-	Tube	230610882
230610883	-	Holder	230610883
230610890	-	Inlet valve seat insert	230610890
230610895	-	Cylinder head	230610895
230610896	-	Connecting elbow	230610896
230610897	-	Vent tube assembly	230610897
230610898	-	Flywheel housing	230610898
230610899	-	Tappet push rod	230610899
230610901	-	Pressure transmitter cpl.	230610901
230610902	-	Hight pressure rail	230610902
230610903	-	Connection f.water pipe	230610903
230610904	-	Housing	230610904
230610905	-	Housing pre-assembled	230610905
230610906	-	Air intake pipe right	230610906
230610908	-	Cover	230610908
230610911	-	Intermediate part	230610911
230610916	-	Camshaft	230610916
230610917	-	Generator, pre-assembled	230610917
230610918	-	Cylinder head	230610918
230610919	-	Cylinder head pre-assy.	230610919
230610921	-	Motor control device	230610921
230610922	-	Air intake pipe left	230610922

Ordering PN

Part number	Ver	Description	Ordering PN
230610923	-	Air intake pipe right	230610923
230610924	-	Air intake pipe left	230610924
230610927	-	Hose	230610927
230610928	-	Hose clamp	230610928
230610929	-	Hex screw	230610929
230610930	-	Flange joint	230610930
230610931	-	Flange joint	230610931
230610932	-	Flange joint	230610932
230610933	-	Flange joint	230610933
230610934	-	Hex screw	230610934
230610935	-	Ring bolt	230610935
230610936	-	Countersunk screw	230610936
230610937	-	Flange joint	230610937
230610938	-	Cable tie	230610938
230610939	-	Cable tie	230610939
230610940	-	Hollow screw	230610940
230610942	-	Hex screw	230610942
230610943	-	Hex screw	230610943
230610944	-	Hex screw	230610944
230610945	-	Hex screw	230610945
230610946	-	Hex screw	230610946
230610947	-	Parallel pin	230610947
230610948	-	Hex screw	230610948
230610949	-	Hex screw	230610949
230610950	-	Hex screw	230610950
230610951	-	Double-ended stud	230610951
230610953	-	Hex screw	230610953
230610954	-	Double-ended stud	230610954

Ordering PN

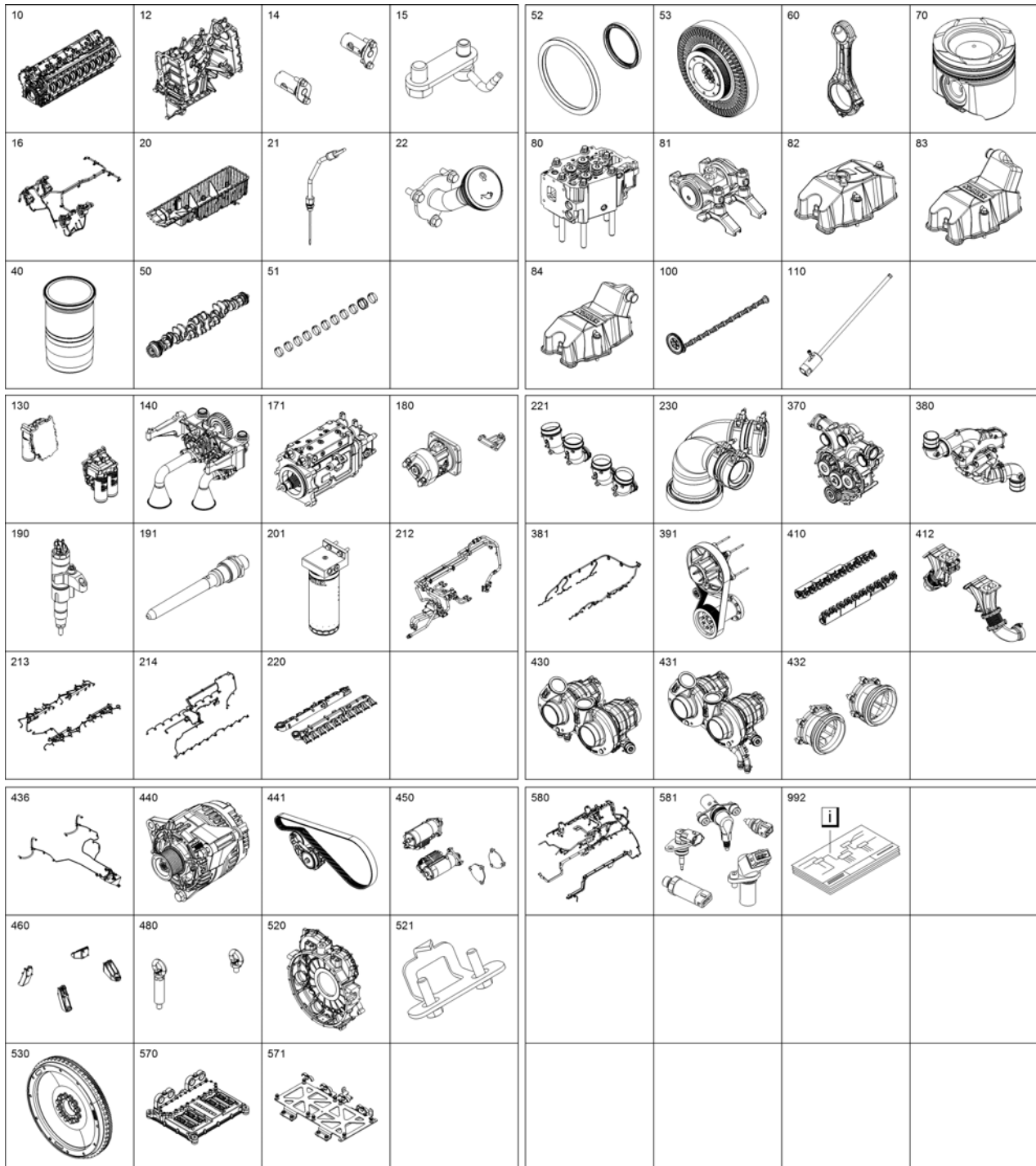
Part number	Ver	Description	Ordering PN
230610955	-	Crankshaft	230610955
230610959	-	Charge air pipe	230610959
230610960	-	Charge air pipe	230610960
230610961	-	Plate	230610961
230610962	-	Oil cooler housing	230610962
230610963	-	Oil cooler housing	230610963
230610971	-	Spacer piece	230610971
230610972	-	Tightening roller	230610972
230610973	-	Holder	230610973
230610974	-	Holder	230610974
230610975	-	Guide pulley compl.	230610975
230610976	-	Coolant pipe bend	230610976
230610977	-	Coolant pipe bend	230610977
230610979	-	Hight pressure rail	230610979
230610980	-	Spacer piece	230610980
230610981	-	Cable harness	230610981
230610982	-	Cable harness	230610982
230610983	-	Oil cooler housing	230610983
230610984	-	Oil cooler housing	230610984
230610985	-	Hose nipple	230610985
230610986	-	Cable harness mounting	230610986
230610990	-	Exhaust gas turbocharger	230610990
230610991	-	Exhaust gas turbocharger	230610991
230610992	-	Exhaust pipe	230610992
230610993	-	Exhaust pipe	230610993
230610994	-	Exhaust pipe	230610994
230610995	-	Exhaust pipe	230610995
230610996	-	Pipeline	230610996

Ordering PN

Part number	Ver	Description	Ordering PN
230610997	-	Pipeline	230610997
230610998	-	V-belt pulley pre-ass.	230610998
230610999	-	Holder	230610999
230611000	-	Holder	230611000
230611005	-	Cylinder head cover	230611005
230611006	-	Cylinder head cover assembly	230611006
230611007	-	Crankshaft	230611007
230611008	-	Oil separator	230611008
230611009	-	Water pump, pre-assembled	230611009
230611010	-	Hex screw	230611010
230611012	-	Washer	230611012
230611013	-	Locking ring	230611013
230611016	-	Sealing compound	230611016
230611017	-	Screw locking	230611017
230611018	-	Glue	230611018
230611370	-	Hex screw	230611370
230611456	-	O-ring	230611456
230611470	-	Hex screw	230611470
230611473	-	Hex screw	230611473
230611648	-	Belt	230611648
230611882	-	Lubricant paste	230611882
230611951	-	Nut	230611951
230611961	-	Screw	230611961
230611963	-	Lipseal	230611963
230611964	-	Sealant paste	230611964
230611973	-	Bushing	230611973
230611977	-	Screw	230611977
230611978	-	Thread lock	230611978

Ordering PN

Part number	Ver	Description	Ordering PN
230611979	-	Pulley	230611979
230611980	-	Bushing	230611980
230611981	-	Bearing	230611981
230611982	-	Brace	230611982
230611983	-	Snap ring	230611983
230612268	-	Cylinder head cover	230612268
230612269	-	Cylinder head cover	230612269
230612310	-	Grease	230612310
230612315	-	Hex screw	230612315
230612316	-	Hex screw	230612316
230612317	-	Hex screw	230612317
230612318	-	Hex screw	230612318
230612319	-	Hex screw	230612319
230612320	-	Hex screw	230612320
230612321	-	Hex screw	230612321
230612322	-	Hex screw	230612322
230612330	-	Hex screw	230612330
230612331	-	Hex screw	230612331
230612440	-	Socket head screw	230612440
230612441	-	Socket head screw	230612441



Tables of contents

Description	Page
Engine KO KD45V20 60Hz	1
Crankcase cpl.	5
Crankcase pre-assy.	6
Power unit support attachment	7
Housing pre-assembled	8
Final control valve	9
Piston cooling	10
Crankcase breather assembly	11
Cylinder head cover assembly	16
Breather	17
Oil sump with fastening	18
Oil sump	19
Dipstick	20
Oil filler inlet	21
End cover	22
Cylinder	23
Crankshaft	24
Crankshaft bearings	25
Crankshaft sealing	26

Tables of contents

Description	Page
Vibration damper	27
Connecting rod assembly	28
Piston cpl.	29
Cylinder head assembly	30
Cylinder head pre-assy.	31
Cylinder head	32
Rocker arms device cpl.	33
Rocker arm bracket pre-ass.	34
Cylinder head cover assembly	35
Cylinder head cover assembly	36
Cylinder head cover assembly	37
Cylinder head cover assembly	38
Cylinder head cover assembly	39
Camshaft cpl.	40
Camshaft pre-ass.	41
Control parts	42
Oil module assembly	43
Oil module left	44
Oil cooler housing	45

Tables of contents

Description	Page
Oil module right	46
Oil cooler housing	47
Lube oil pump with fastening	48
HP pump	49
Injection pump	50
Seal kit high pressure pump	51
Seal kit prefeeding pump	52
Rk pre-feed pump	53
Rk volum control valve	54
Covering caps - kit	55
Drive for high pressure pump	56
Injector with fastening	57
Seal kit injector	58
Rk injector	59
Rk injector	60
High pressure connector	61
Seal kit high press.connector	62
Fuel filter	63
Fuel filter	64

Tables of contents

Description	Page
Fuel lines	65
High pressure pipe assembly	68
Leak oil line add-on	69
Air intake assembly	72
Fastening device	73
Intake stack assembly	74
Locking pieces	75
Charge air line assembly	76
Water pump with fastening	77
Thermostat housing assembly	78
Connection f.water pipe	79
Vent tube assembly	80
Vent tube assembly	83
Fan drive assembly	85
Tightening roller	87
Guide pulley compl.	88
Exhaust pipe assembly	89
Outlet manifold add-on	90
Exhaust tc mounting	91

Tables of contents

Description	Page
Exhaust to mounting	93
Exhaust nozzle	95
Regulation boost pressure	96
Regulation boost pressure	98
Generator add-on	100
Belt drive	101
Starter installation	102
Starter installation	103
Starter pre-assy.	104
Locking pieces	105
Fastening pieces assembly	106
Lifting device	107
Flywheel housing mounting	108
Control plate assembly	109
Flywheel assembly	110
Motor control device	111
Control box annexe	112
Fastening clamp	113
Cable harness mounting	114

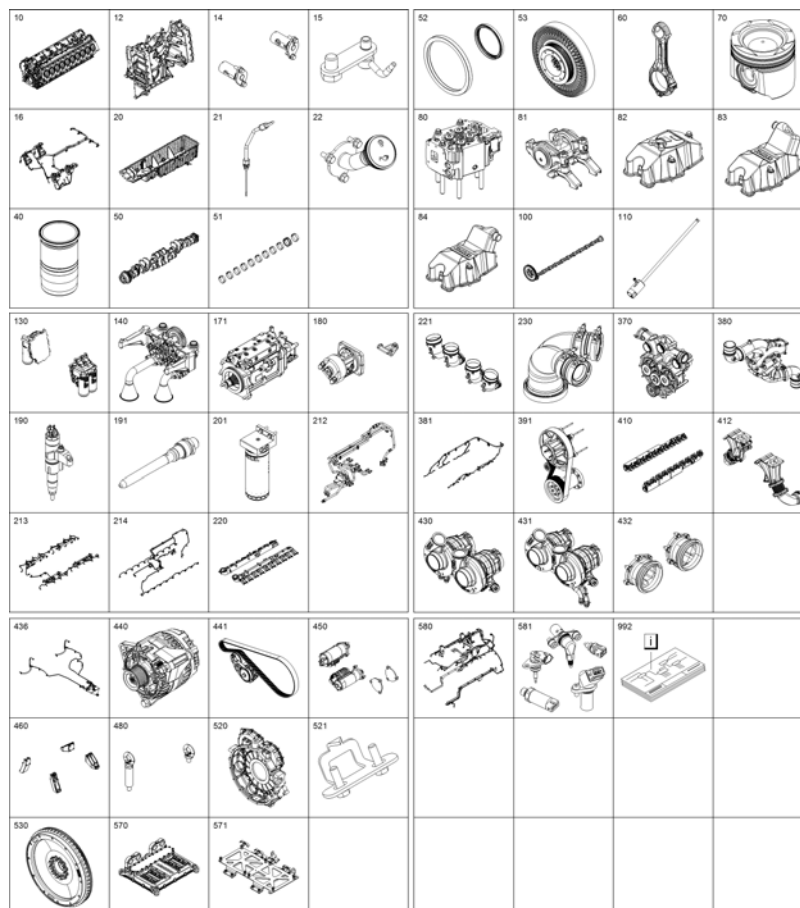
Tables of contents

Description	Page
Engine control sensors	116
Temperature probe cpl.	117
Pressure transmitter cpl.	118
Oil pressure sensor	119
Temperature sensor cpl.	120
Crankshaft rotational speed sensor	121
Camshaft rotational speed sensor	122
Engine electrics	123

Engine KO KD45V20 60Hz

10101042701

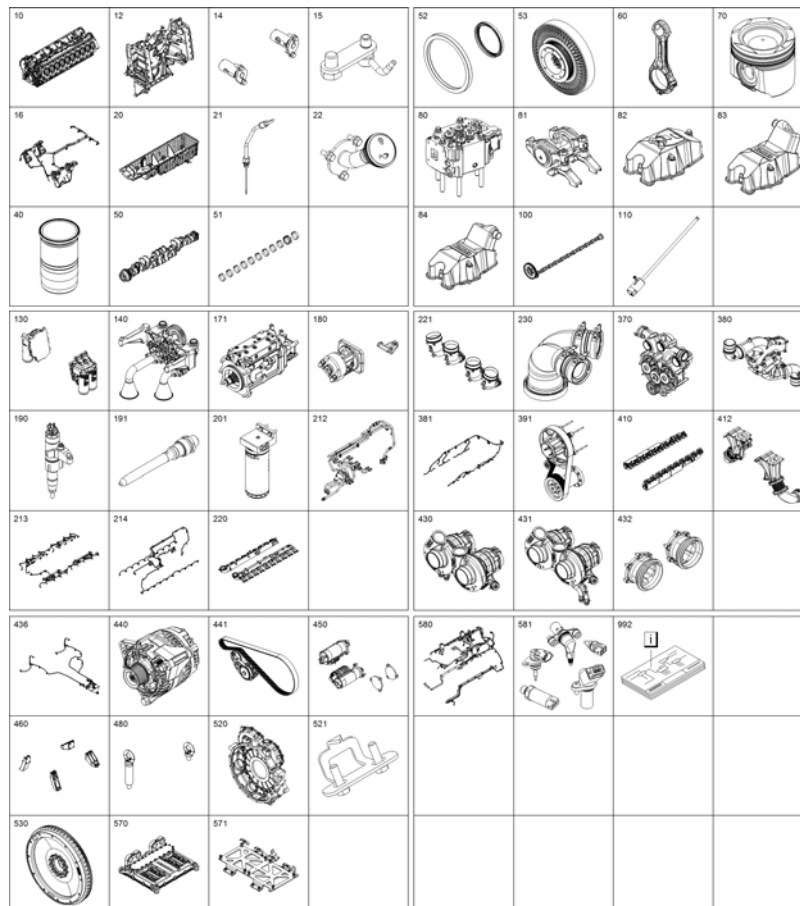
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10	230610643	-	Crankcase cpl.	1	UN		5
12	230610686	-	Power unit support attachment	1	UN		7
14	230610769	-	Final control valve	1	UN		9
15	230610570	-	Piston cooling	20	UN		10
16	230610586	-	Crankcase breather assembly	1	UN		11
20	230610781	-	Oil sump with fastening	1	UN		18
21	230611936	-	Dipstick	1	UN		20
22	230610257	-	Oil filler inlet	1	UN		21
40	230610155	-	Cylinder	20	UN		23
50	230611965	-	Crankshaft	1	UN		24
51	230610780	-	Crankshaft bearings	1	UN		25
52	230610585	-	Crankshaft sealing	1	UN		26
53	230611966	-	Vibration damper	1	UN		27
60	230610060	-	Connecting rod assembly	20	UN		28
70	230610224	-	Piston cpl.	20	UN		29
80	230610153	-	Cylinder head assembly	20	UN		30



Engine KO KD45V20 60Hz

10101042701

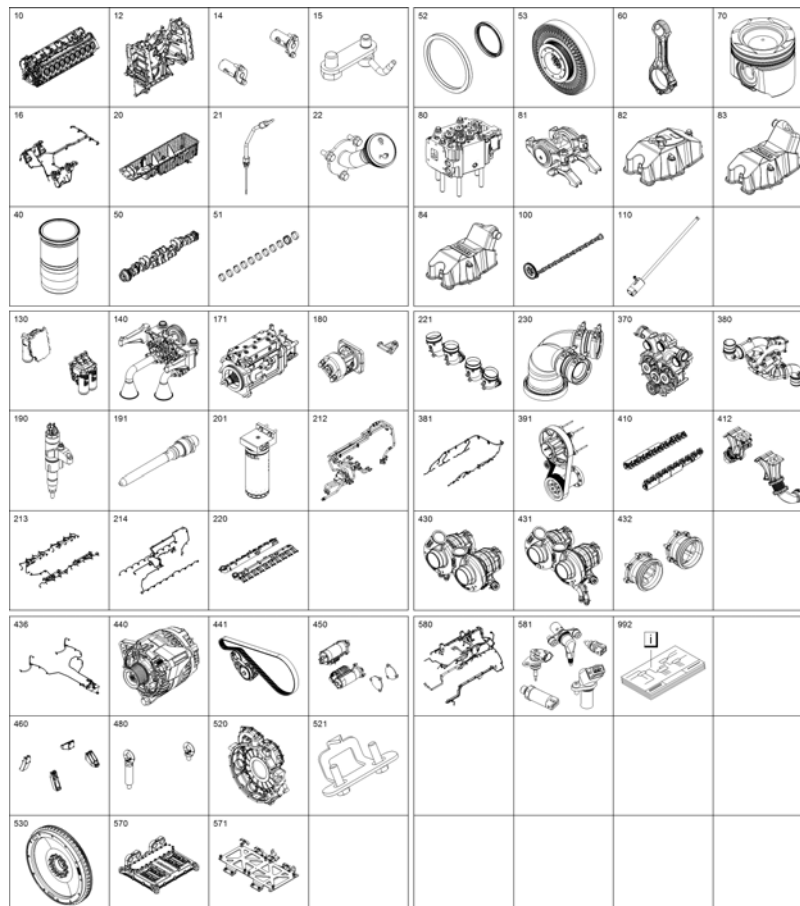
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81	230610160	-	Rocker arms device cpl.	20	UN		33
82	230610073	-	Cylinder head cover assembly	12	UN		35
83	230610589	-	Cylinder head cover assembly	2	UN		36
84	230610556	-	Cylinder head cover assembly	2	UN		38
100	230610857	-	Camshaft cpl.	1	UN		40
110	230610587	-	Control parts	20	UN		42
130	230611967	-	Oil module assembly	1	UN		43
140	230610798	-	Lube oil pump with fastening	1	UN		48
171	230611968	-	HP pump	1	UN		49
180	230610682	-	Drive for high pressure pump	1	UN		56
190	230612373	-	Injector with fastening	20	UN		57
191	230610251	-	High pressure connector	20	UN		61
201	230611969	-	Fuel filter	1	UN		63
212	230610789	-	Fuel lines	1	UN		65
213	230610733	-	High pressure pipe assembly	1	UN		68
214	230610801	-	Leak oil line add-on	1	UN		69



Engine KO KD45V20 60Hz

10101042701

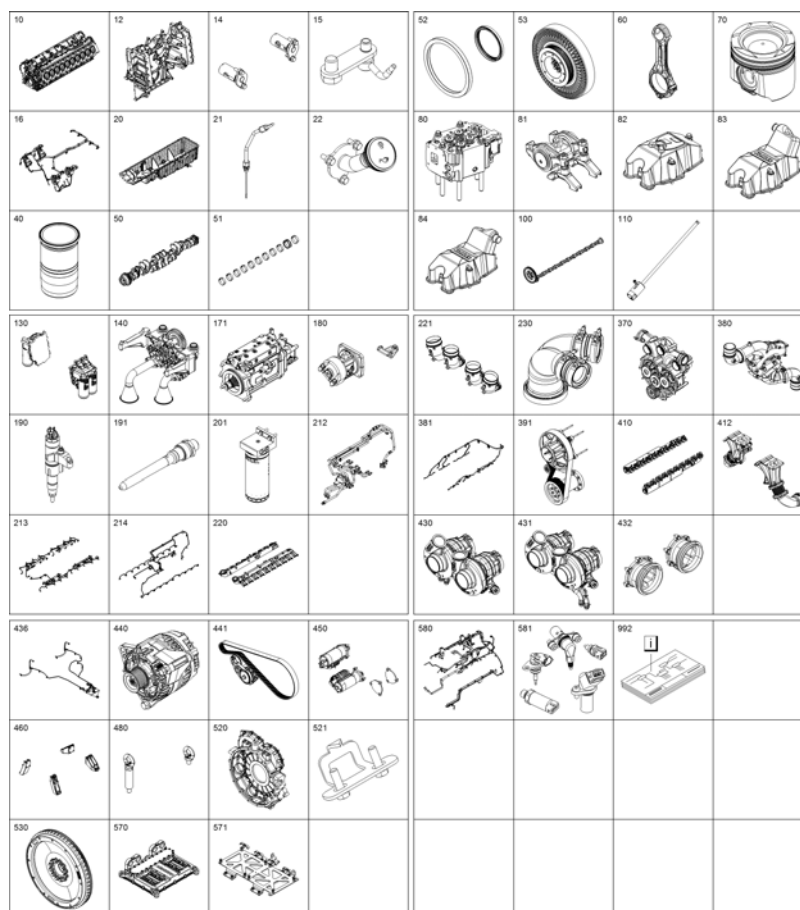
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220	230610776	-	Air intake assembly	1	UN		72
221	230612376	-	Intake stack assembly	1	UN		74
230	230610601	-	Charge air line assembly	2	UN		76
370	230610609	-	Water pump with fastening	1	UN		77
380	230610756	-	Thermostat housing assembly	1	UN		78
381	230612972	-	Vent tube assembly	1	UN		80
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381	230610897	-	Vent tube assembly	1	UN	02.28.2019	83
391	230610867	-	Fan drive assembly	1	UN		85
410	230610596	-	Exhaust pipe assembly	1	UN		89
412	230610730	-	Outlet manifold add-on	1	UN		90
430	230610868	-	Exhaust tc mounting	1	UN		91
431	230610869	-	Exhaust tc mounting	1	UN		93
432	230610599	-	Exhaust nozzle	2	UN	11.06.2018	95
436	230612995	-	Regulation boost pressure	1	UN		96
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436	230610870	-	Regulation boost pressure	1	UN		98



Engine KO KD45V20 60Hz

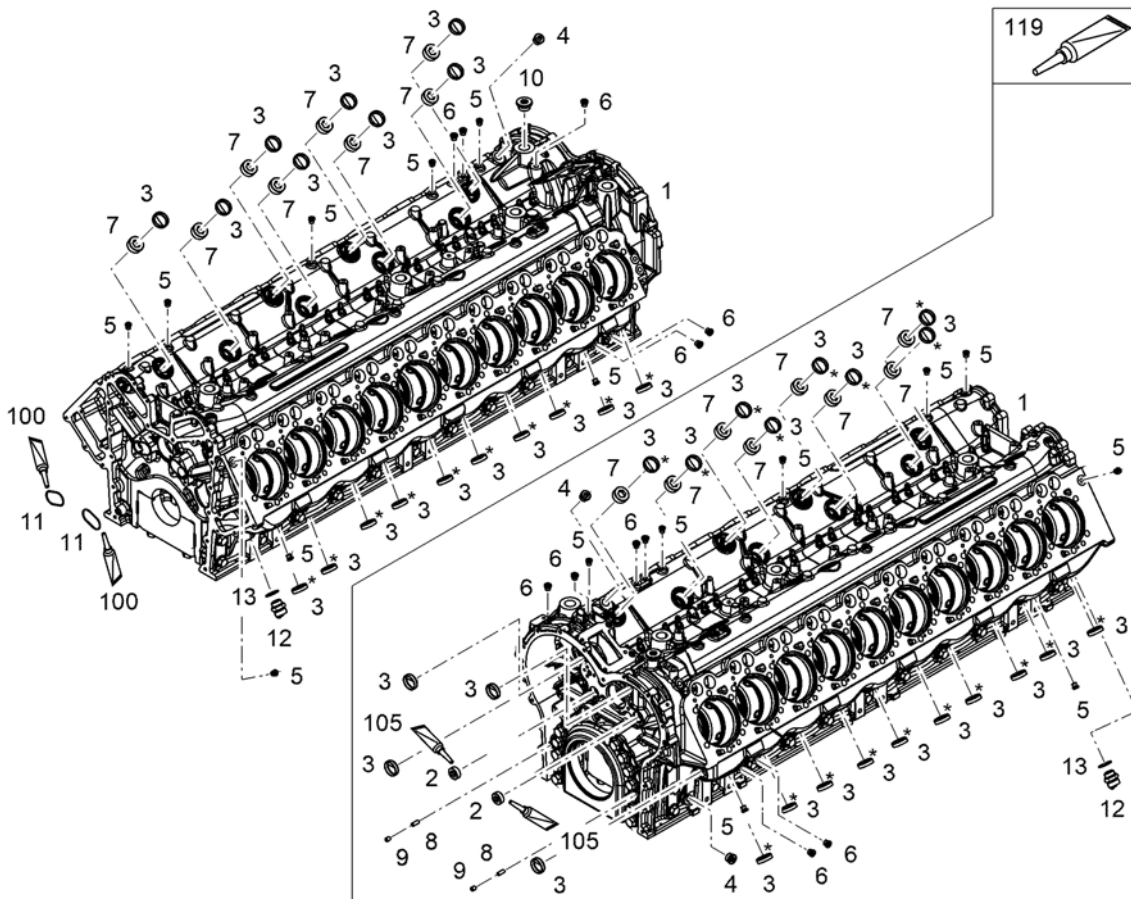
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Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
440	230610814	-	Generator add-on	1	UN		100
441	230610815	-	Belt drive	1	UN		101
450	230610861	-	Starter installation	1	UN		102
460	230610811	-	Fastening pieces assembly	1	UN		106
480	230610600	-	Lifting device	1	UN		107
520	230610764	-	Flywheel housing mounting	1	UN		108
521	230610434	-	Control plate assembly	2	UN		109
530	230610698	-	Flywheel assembly	1	UN		110
570	230612828	-	Motor control device	2	UN		111
571	230610796	-	Control box annexe	1	UN		112
580	230610986	-	Cable harness mounting	1	UN		114
581	230610632	-	Engine control sensors	1	UN		116
992	230610825	-	Engine electrics	1	UN		123



230610643

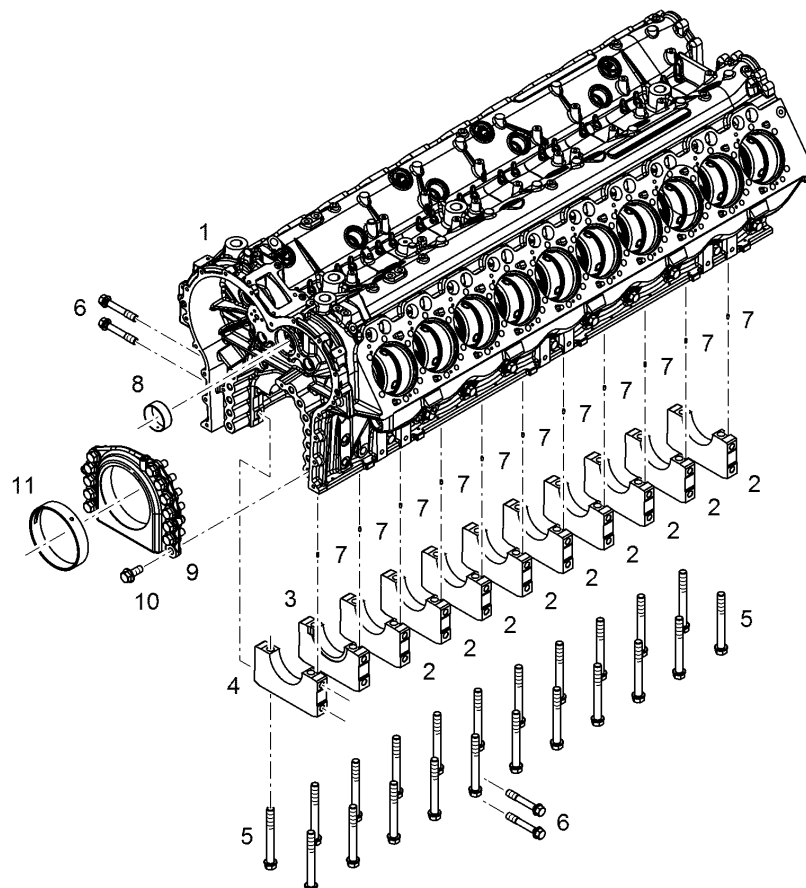
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1	230610642	-	Crankcase pre-assy.	1	UN		6
2	230612805	-	Screw plug	2	UN		
3	230610478	-	End cover	40	UN		
4	230610066	-	Screw plug	3	UN		
5	230610064	-	Screw plug	16	UN		
6	230610065	-	Screw plug	11	UN		
7	230610720	-	Screw plug	16	UN		
8	230610406	-	Parallel pin	2	UN		
9	230610470	-	Sealing plug	2	UN		
10	230610855	-	Screw plug	1	UN		
11	230610779	-	Seal	2	UN		
12	230610276	-	Drain valve	2	UN		
13	230610059	-	Sealing ring	2	UN		



Crankcase pre-assy.

230610642

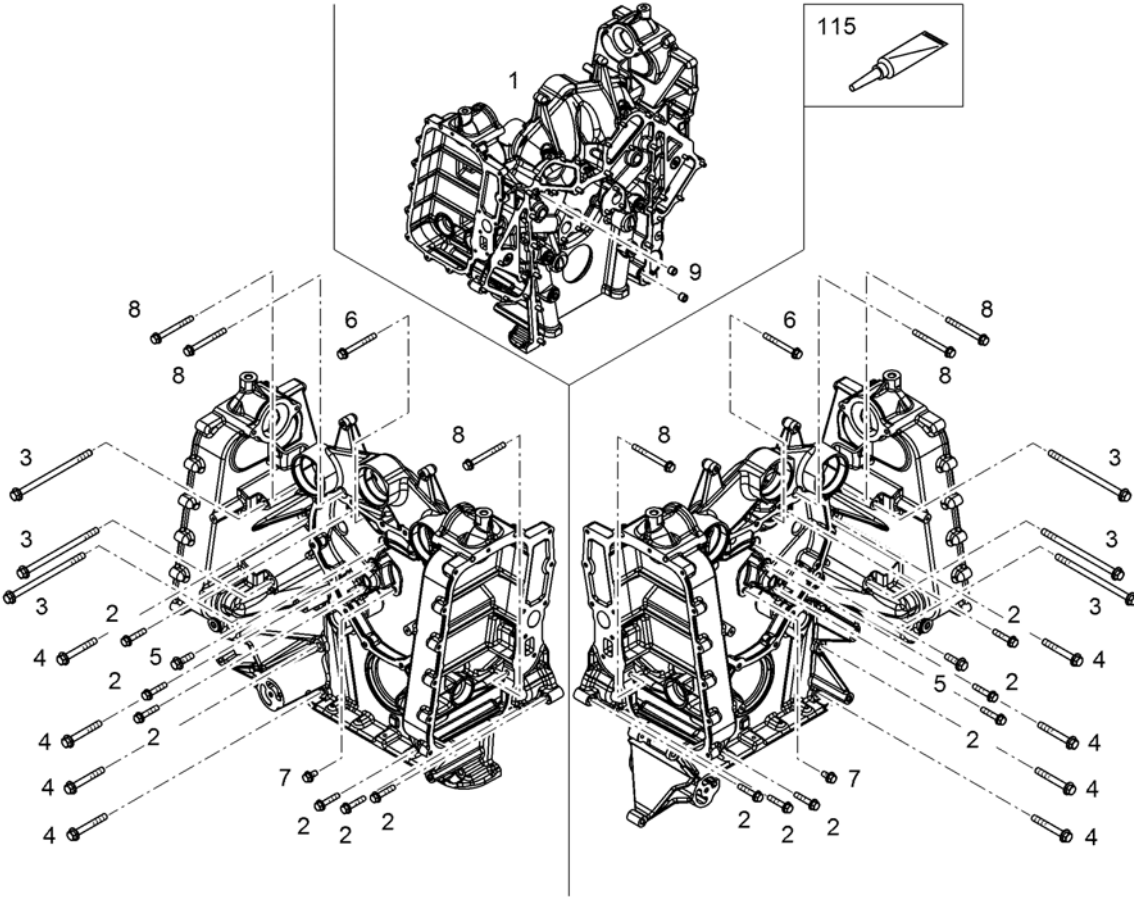
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1	230610641	-	Crankcase	1	UN		
2	230610640	-	Main bearing cap	9	UN		
3	230610638	-	Cover	1	UN		
4	230610639	-	Main bearing cap	1	UN		
5	230610581	-	Hexagon head screw	22	UN		
6	230610582	-	Hexagon head screw	44	UN		
7	230610391	-	Parallel pin	11	UN		
8	230610527	-	Camshaft bearing	11	UN		
9	230610635	-	Housing pre-assembled	1	UN		
10	230612941	-	Hex screw	12	UN		
11	230610591	-	Bearing	1	UN		



Power unit support attachment

230610686

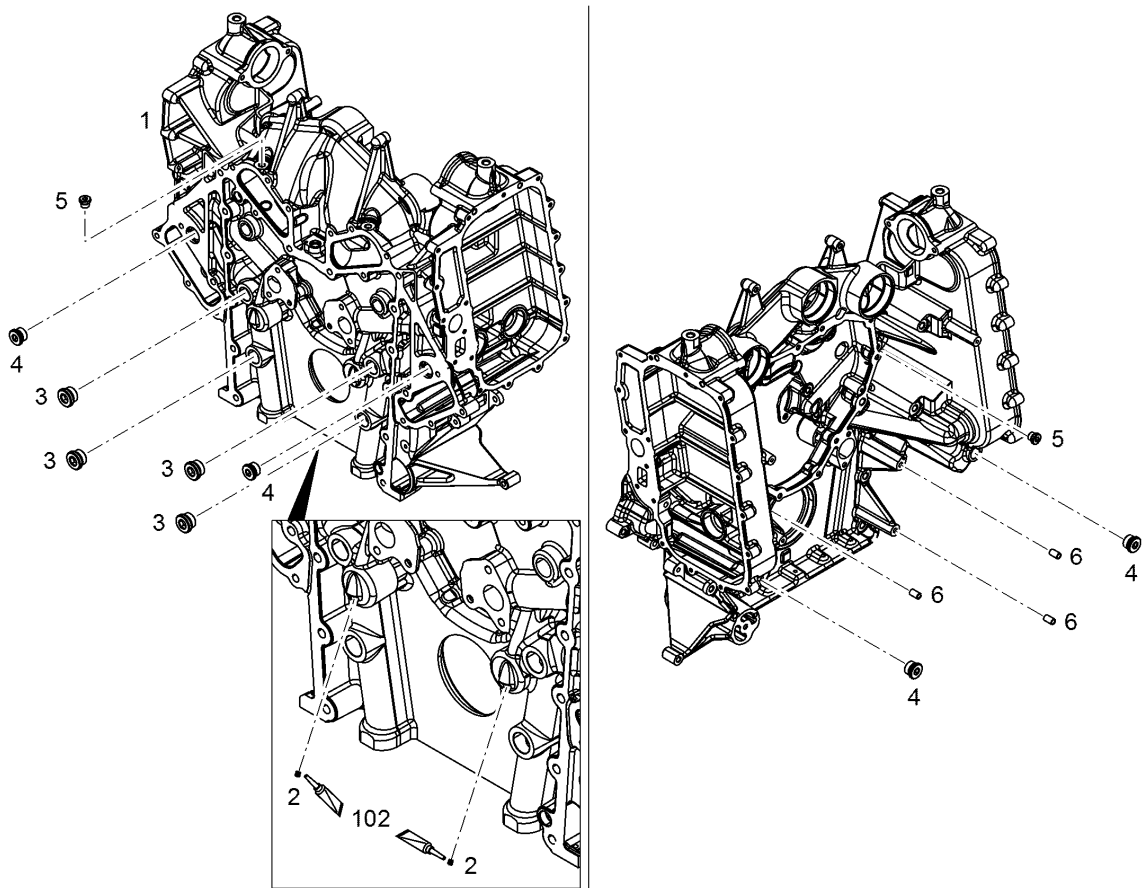
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1	230610905	-	Housing pre-assembled	1	UN		8
2	230612887	-	Hex screw	12	UN		
3	230612888	-	Hex screw	6	UN		
4	230612721	-	Hex screw	8	UN		
5	230612806	-	Hex screw	2	UN		
6	230612889	-	Hex screw	2	UN		
7	230610464	-	Hex screw	2	UN		
8	230611494	-	Screw	6	UN		
9	230610510	-	Tight fit sleeve	2	UN		



Housing pre-assembled

230610905

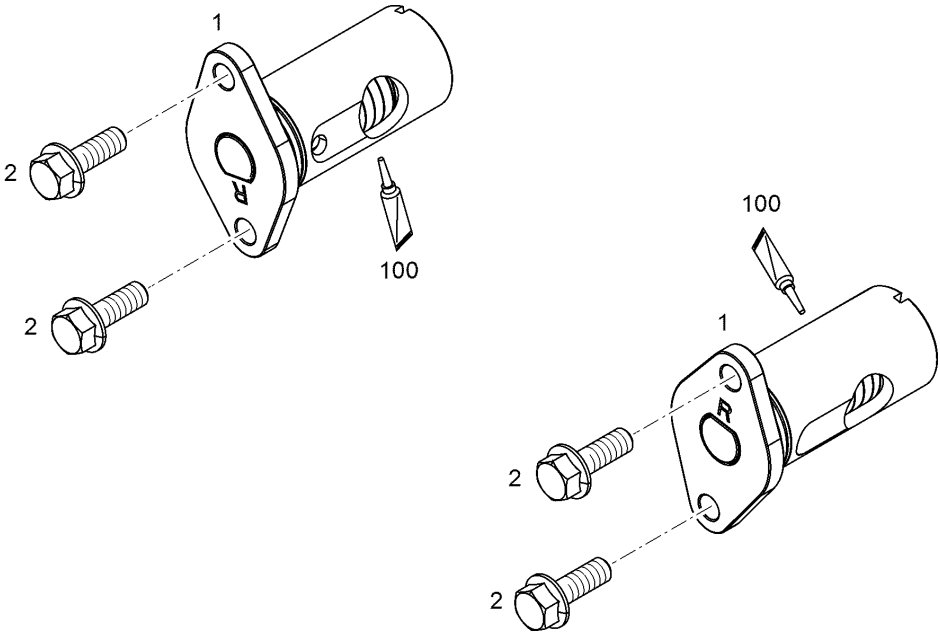
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1	230610904	-	Housing	1	UN		
2	230612946	-	Grub screw	2	UN		
3	230610071	-	Screw plug	4	UN		
4	230610066	-	Screw plug	4	UN		
5	230610064	-	Screw plug	2	UN		
6	230610488	-	Threaded insert	3	UN		



Final control valve

230610769

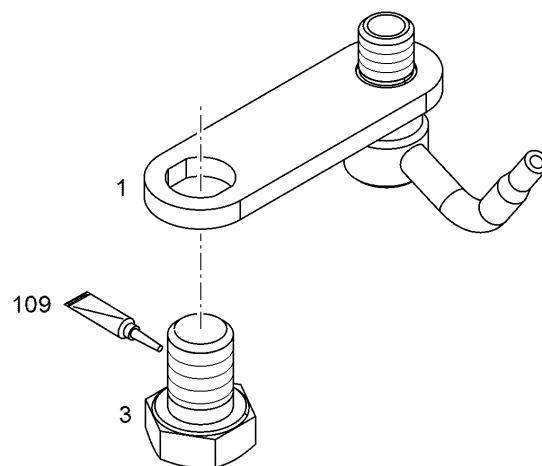
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1	230610657	-	Pressure limiting valve	2	UN		
2	230611441	-	Hex screw	4	UN		



Piston cooling

230610570

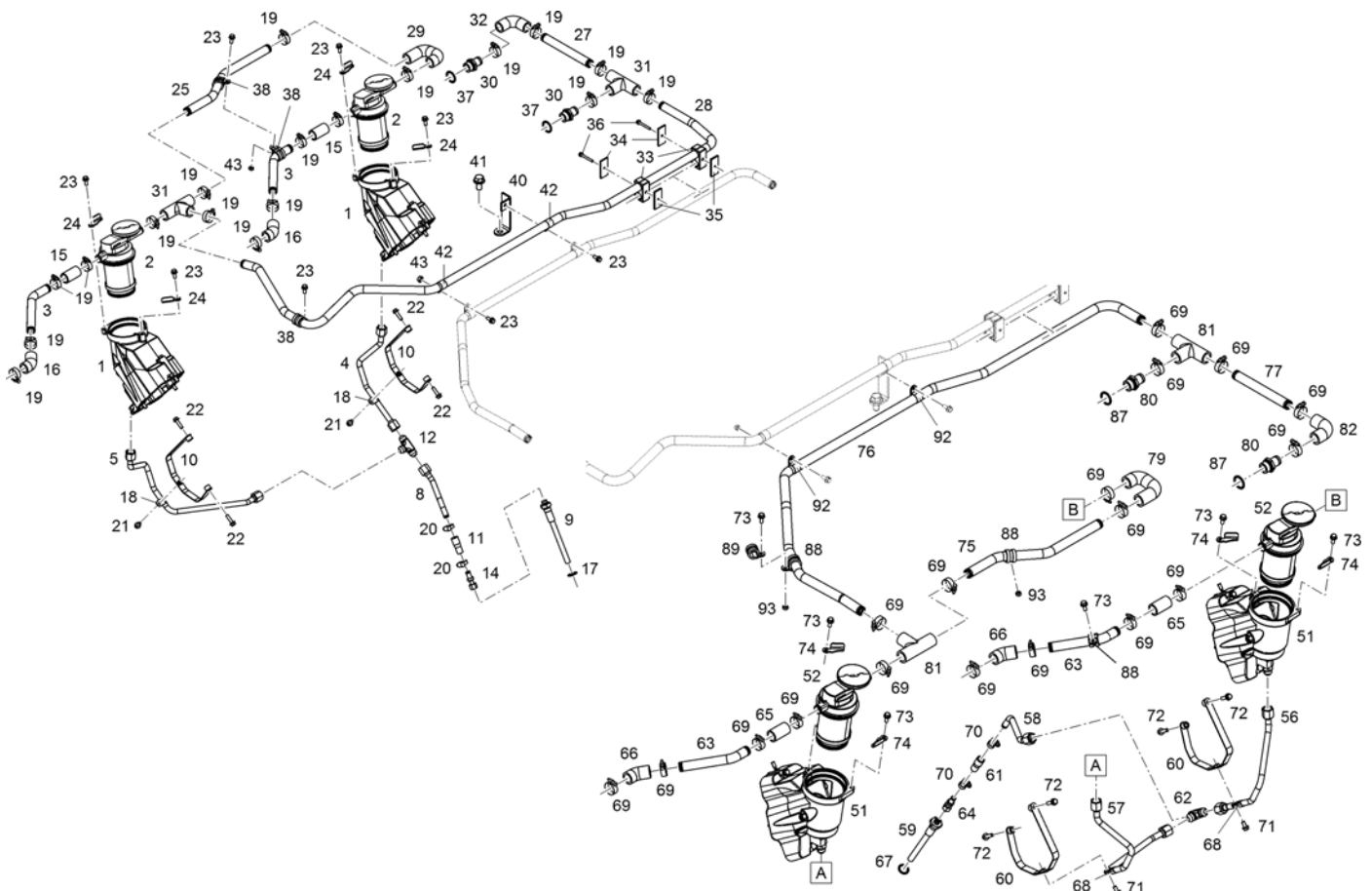
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1	230610760	-	Nozzle pre-ass.	1	UN		
3	230610482	-	Hex screw	1	UN		



Crankcase breather assembly

230610586

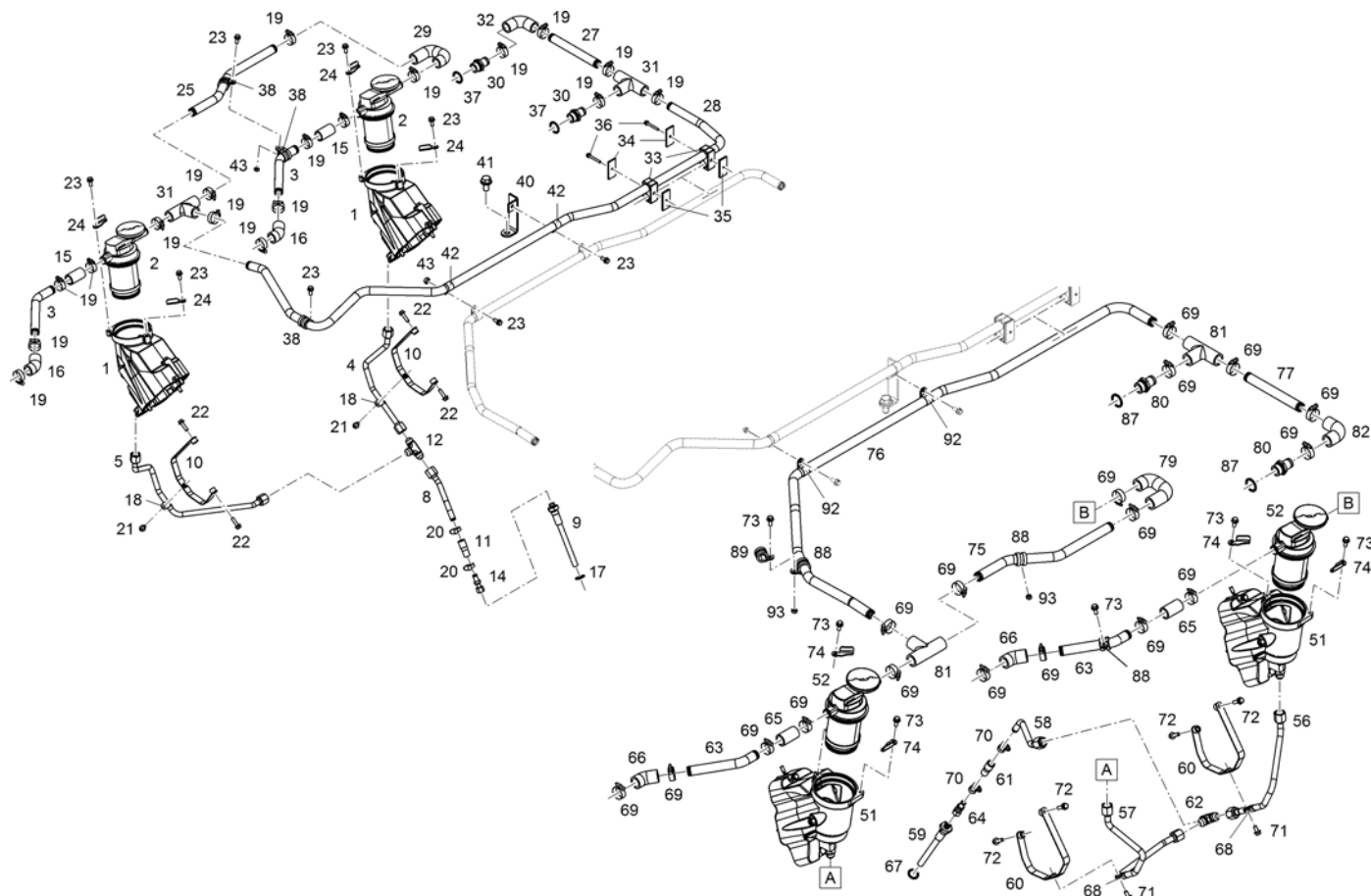
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1	230611006	-	Cylinder head cover assembly	2	UN		16
2	230611645	-	Breather	2	UN		17
3	230610624	-	Tube	2	UN		
4	230610625	-	Oil line	1	UN		
5	230610626	-	Oil line	1	UN		
8	230610629	-	Oil line	1	UN		
9	230610623	-	Oil line	1	UN		
10	230610630	-	Console	2	UN		
11	230610512	-	Rubber connection	1	UN		
12	230610937	-	Flange joint	1	UN		
14	230610500	-	Non-return valve	1	UN		
15	230610449	-	Rubber connection	2	UN		
16	230610453	-	Rubber connection	2	UN		
17	230610057	-	Sealing ring	1	UN		
18	230610718	-	Clamp	2	UN		
19	230610085	-	Hose clamp	18	UN		



Crankcase breather assembly

230610586

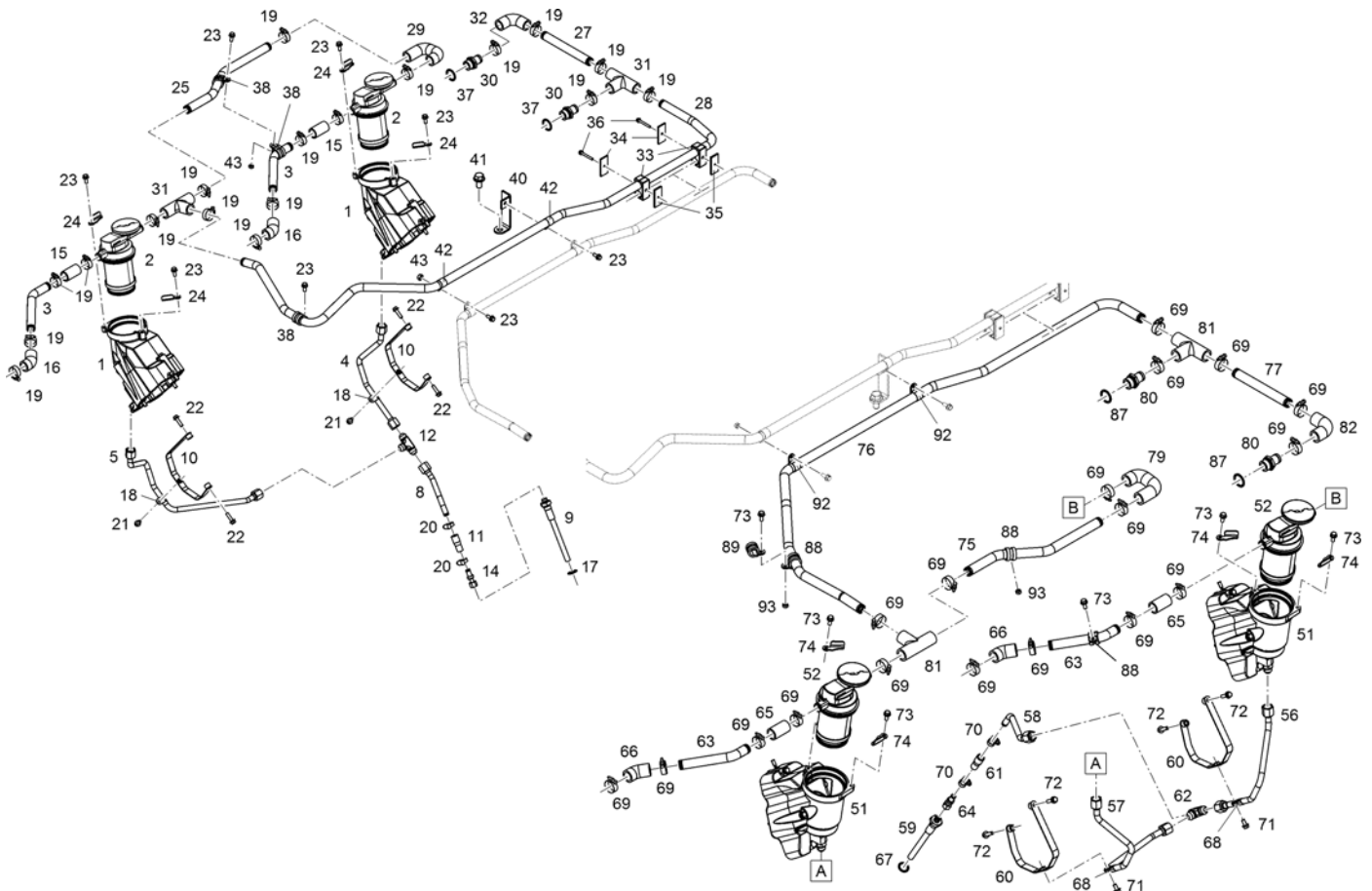
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20	230610384	-	Clamp	2	UN		
21	230611462	-	Hex screw	2	UN		
22	230611521	-	Hex screw	4	UN		
23	230611470	-	Hex screw	8	UN		
24	230610538	-	Holder	4	UN		
25	230610879	-	Tube	1	UN		
27	230610881	-	Tube	1	UN		
28	230612938	-	Tube	1	UN		
29	230610531	-	Rubber connection	1	UN		
30	230610452	-	Hose nipple	2	UN		
31	230610518	-	Rubber connection	2	UN		
32	230610455	-	Rubber connection	1	UN		
33	230610725	-	Pipe clamp	2	UN		
34	230610494	-	Support plate	2	UN		
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36	230612893	-	Hex screw	2	UN		



Crankcase breather assembly

230610586

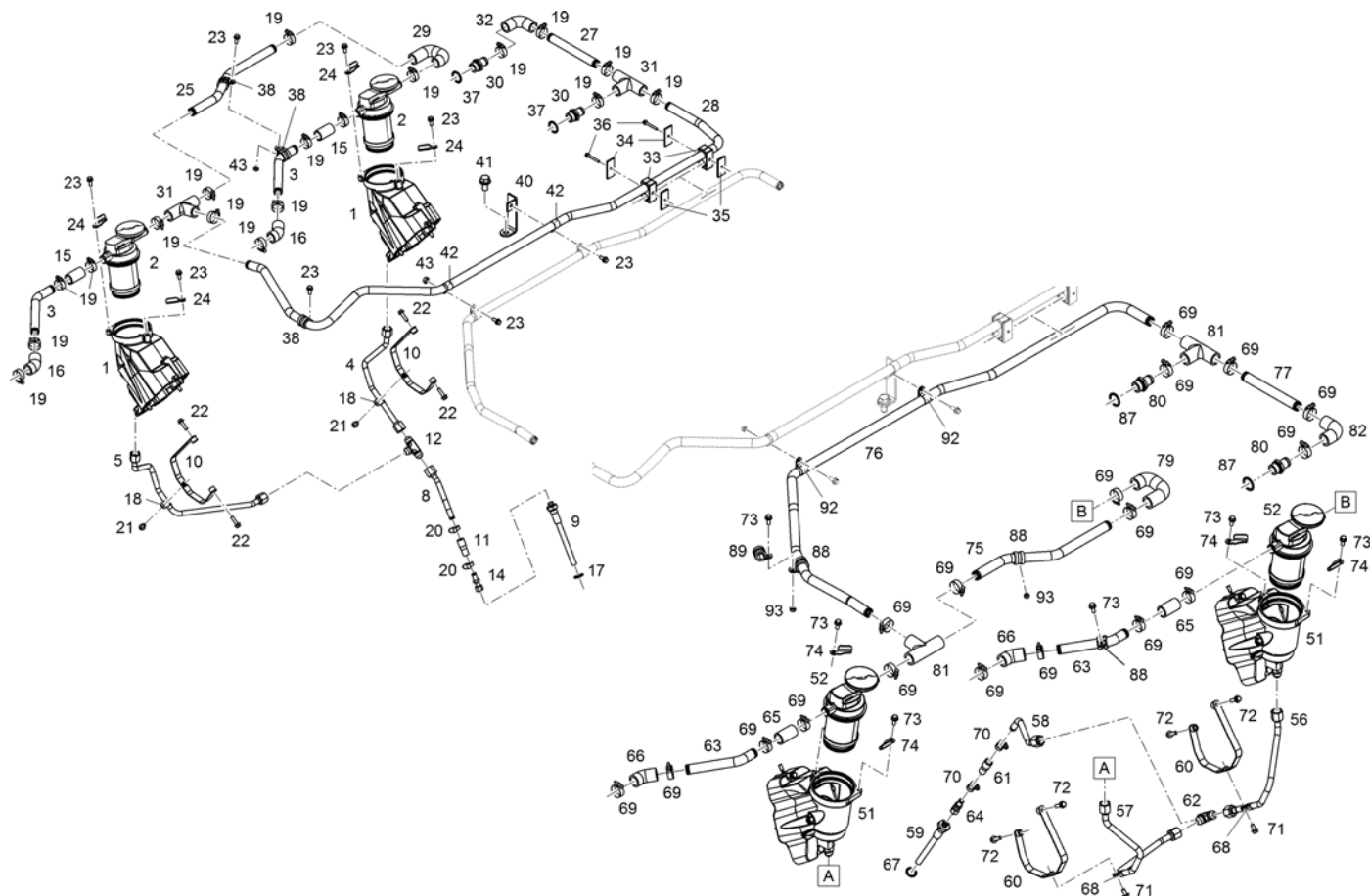
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37	230610054	-	Sealing ring	2	UN		
38	230610426	-	Clamp	3	UN		
40	230610883	-	Holder	1	UN		
41	230612939	-	Hex screw	1	UN		
42	230610422	-	Clamp	2	UN		
43	230612312	-	Hex nut	2	UN		
51	230611006	-	Cylinder head cover assembly	2	UN		16
52	230611645	-	Breather	2	UN		17
56	230610627	-	Oil line	1	UN		
57	230610628	-	Oil line	1	UN		
58	230610629	-	Oil line	1	UN		
59	230610623	-	Oil line	1	UN		
60	230610630	-	Console	2	UN		
61	230610512	-	Rubber connection	1	UN		
62	230610937	-	Flange joint	1	UN		
63	230610631	-	Tube	2	UN		



Crankcase breather assembly

230610586

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
64	230610500	-	Non-return valve	1	UN		
65	230610449	-	Rubber connection	2	UN		
66	230610453	-	Rubber connection	2	UN		
67	230610057	-	Sealing ring	1	UN		
68	230610718	-	Clamp	2	UN		
69	230610085	-	Hose clamp	18	UN		
70	230610384	-	Clamp	2	UN		
71	230611462	-	Hex screw	2	UN		
72	230611521	-	Hex screw	4	UN		
73	230611470	-	Hex screw	6	UN		
74	230610538	-	Holder	4	UN		
75	230610879	-	Tube	1	UN		
76	230612940	-	Tube	1	UN		
77	230610881	-	Tube	1	UN		
79	230610531	-	Rubber connection	1	UN		
80	230610452	-	Hose nipple	2	UN		



Crankcase breather assembly

230610586

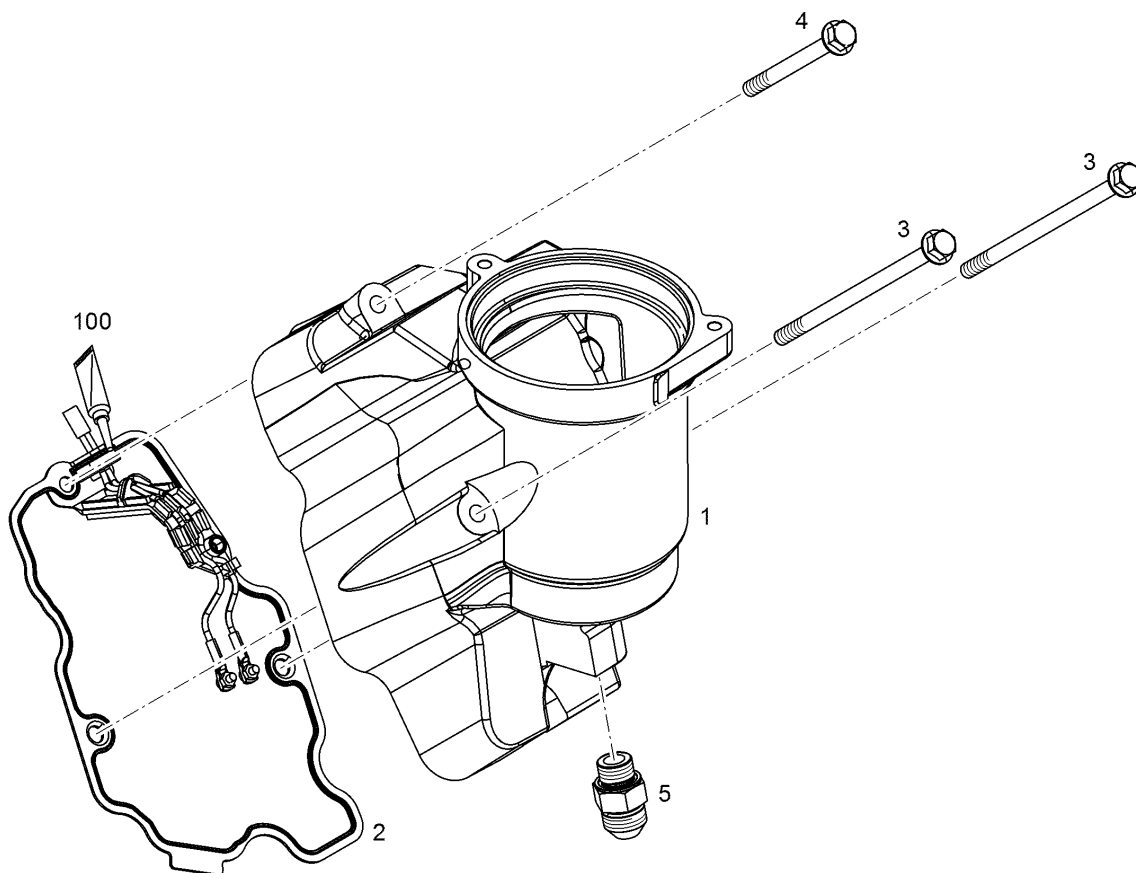
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82	230610455	-	Rubber connection	1	UN		
87	230610054	-	Sealing ring	2	UN		
88	230610426	-	Clamp	3	UN		
89	230610425	-	Clamp	1	UN		
92	230610422	-	Clamp	2	UN		
93	230612312	-	Hex nut	2	UN		



Cylinder head cover assembly

230611006

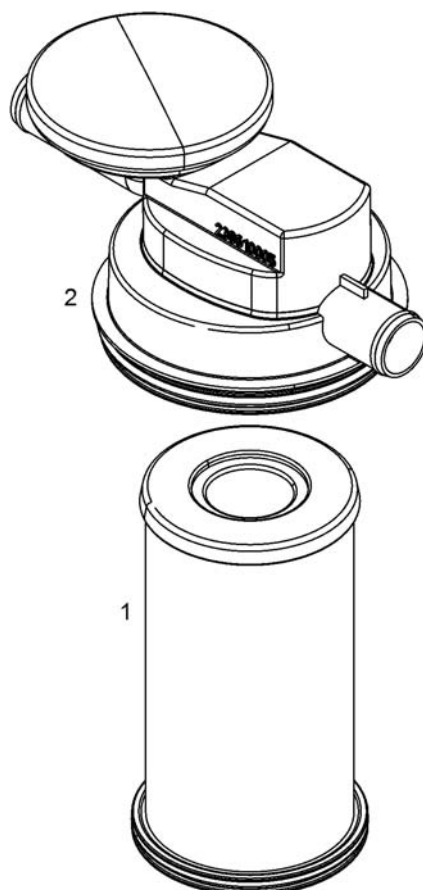
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2	230610191	-	Seal	1	UN		
3	230612330	-	Hex screw	2	UN		
4	230612331	-	Hex screw	1	UN		
5	230610245	-	Flange joint	1	UN		



Breather

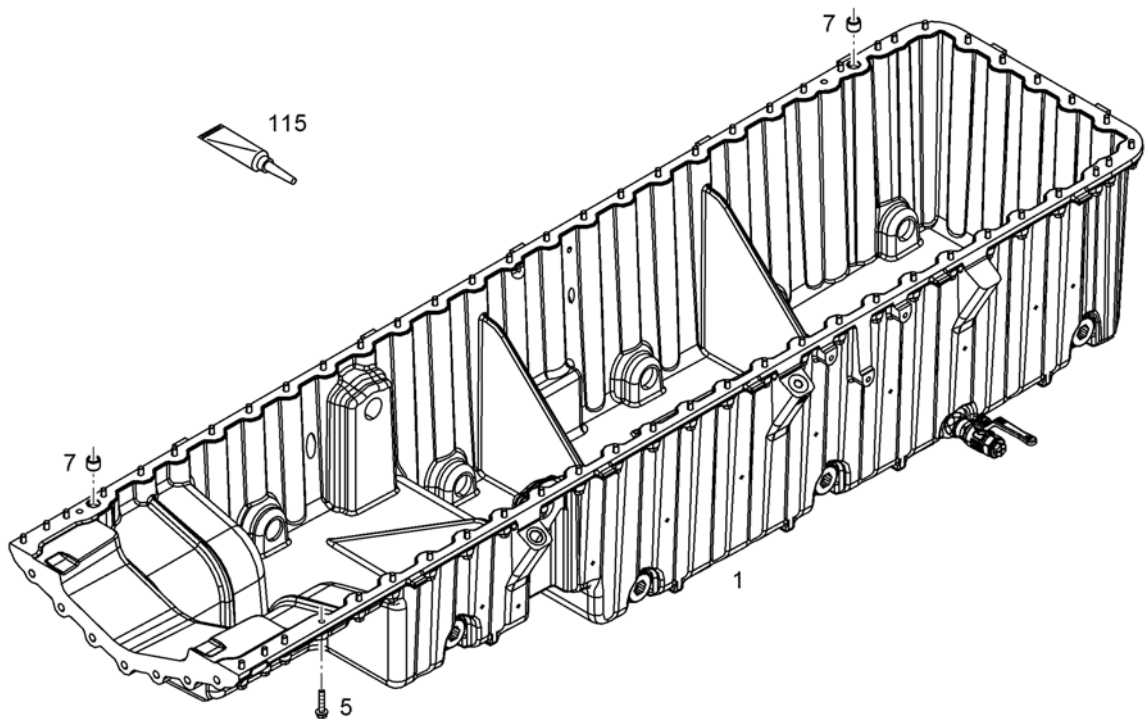
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1	230610004	-	Filter element	1	UN		
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Oil sump with fastening
230610781

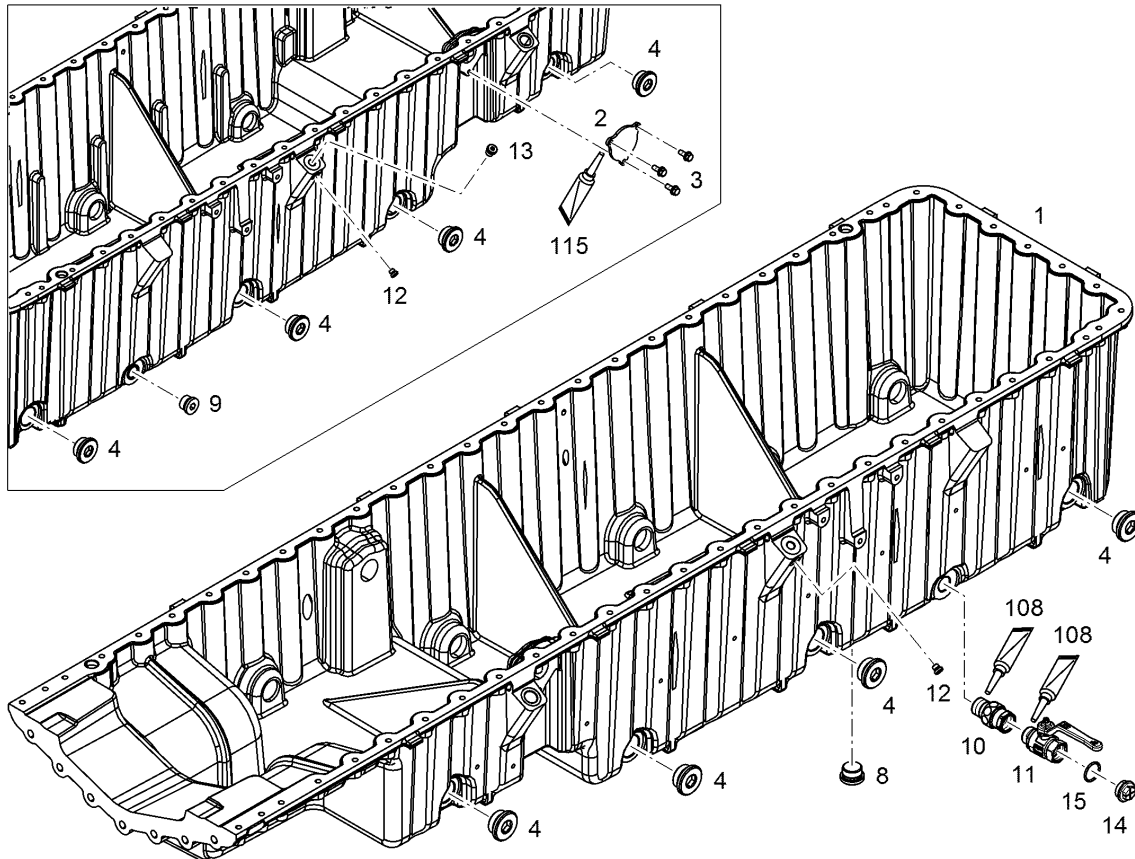
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1	230610816	-	Oil sump	1	UN		19
5	230610324	-	Hex screw	59	UN		
7	230610446	-	Tight fit sleeve	2	UN		



Oil sump

230610816

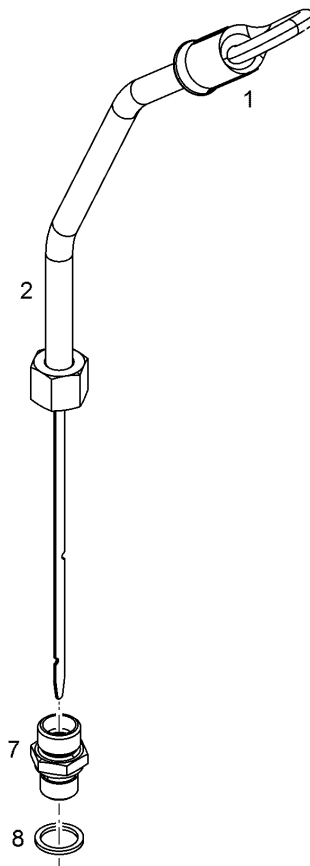
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1	230610782	-	Oil sump	1	UN		
2	230610602	-	Plate	1	UN		
3	230611470	-	Hex screw	3	UN		
4	230610070	-	Screw plug	8	UN		
8	230610071	-	Screw plug	1	UN		
9	230610067	-	Screw plug	1	UN		
10	230610252	-	Double nipple	1	UN		
11	230610274	-	Shut-off valve	1	UN		
12	230610063	-	Screw plug	2	UN		
13	230610064	-	Screw plug	1	UN		
14	230612438	-	Sealing plug	1	UN		
15	230612402	-	O-ring	1	UN		



Dipstick

230611936

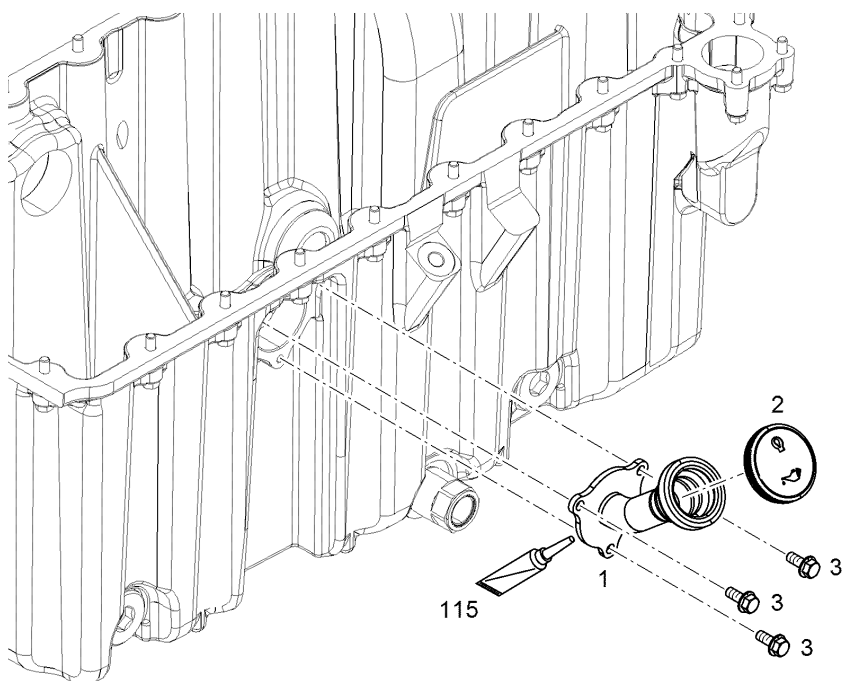
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1	230611960	-	Dipstick	1	UN		
2	230610546	-	Guiding pipe	1	UN		
7	230610442	-	Fittings	1	UN		
8	230610409	-	Sealing ring	1	UN		



Oil filler inlet

230610257

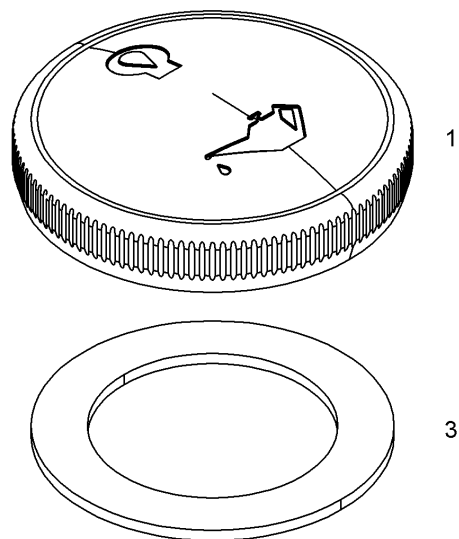
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1	230610683	-	Filler neck	1	UN		
2	230610152	-	End cover	1	UN		22
3	230610318	-	Hex screw	3	UN		



End cover

230610152

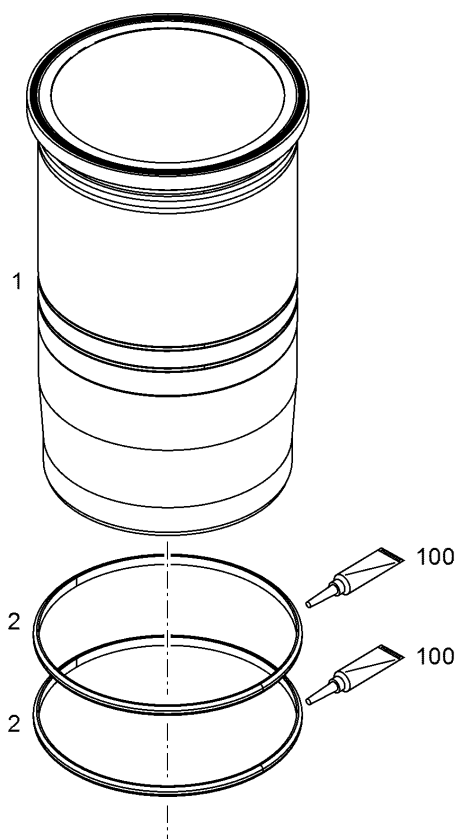
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3	230610445	-	Seal	1	UN		



Cylinder

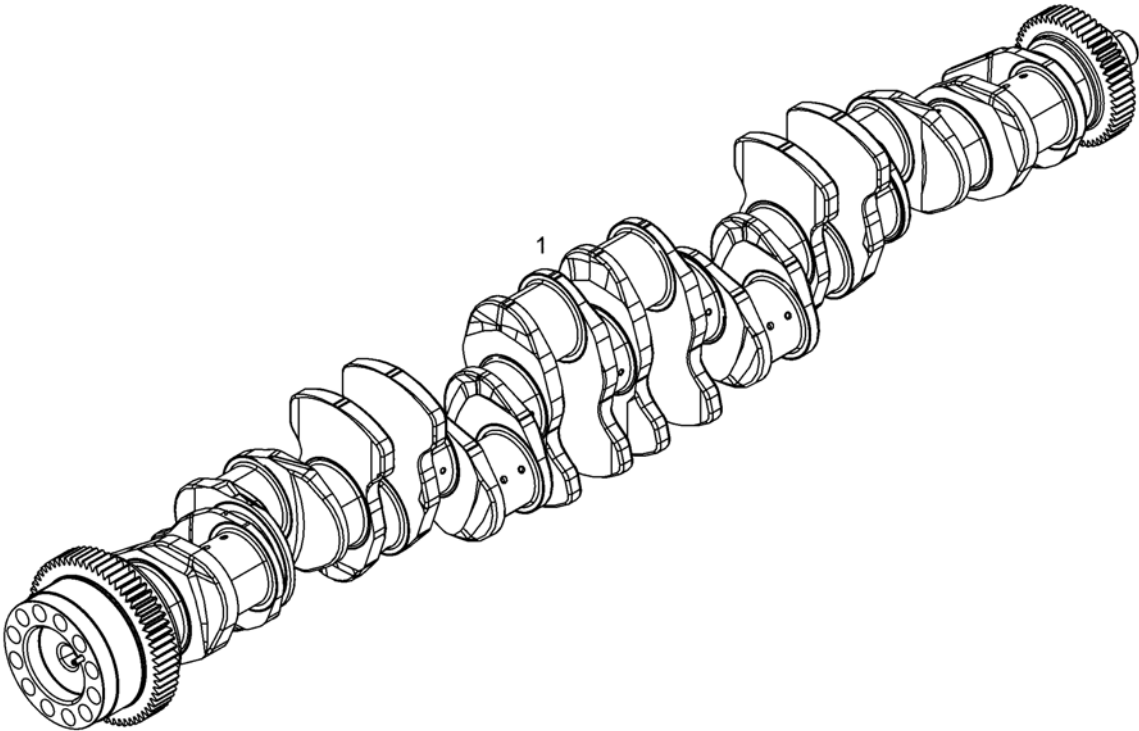
230610155

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610877	-	Cylinder liner	1	UN		
2	230611456	-	O-ring	2	UN		



Crankshaft
230611965

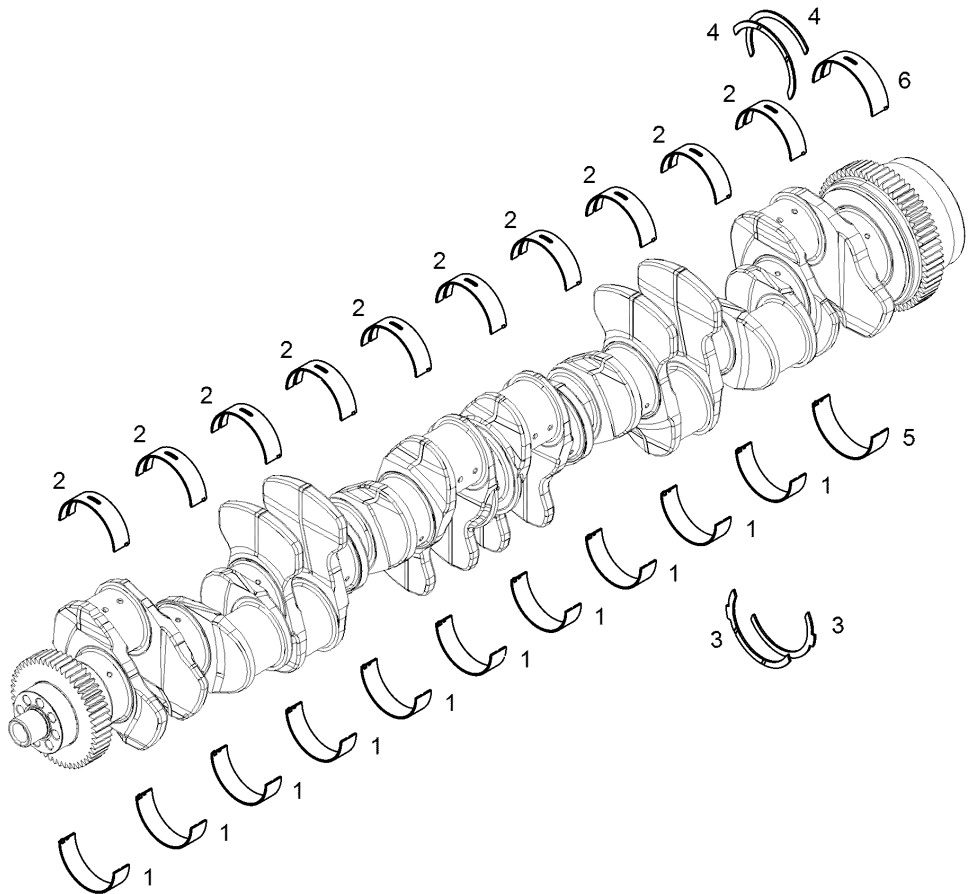
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611990	-	Crankshaft	1	UN		



Crankshaft bearings

230610780

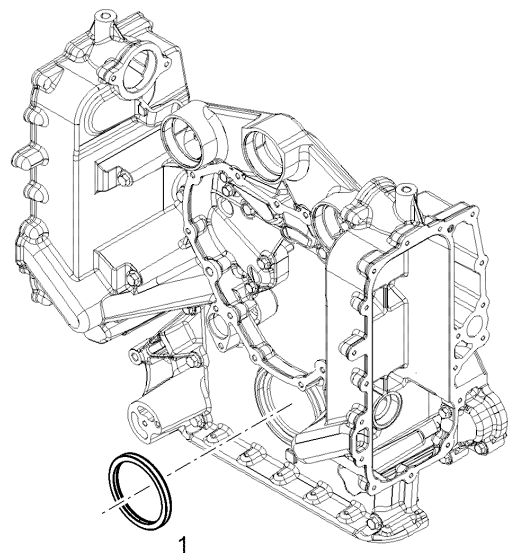
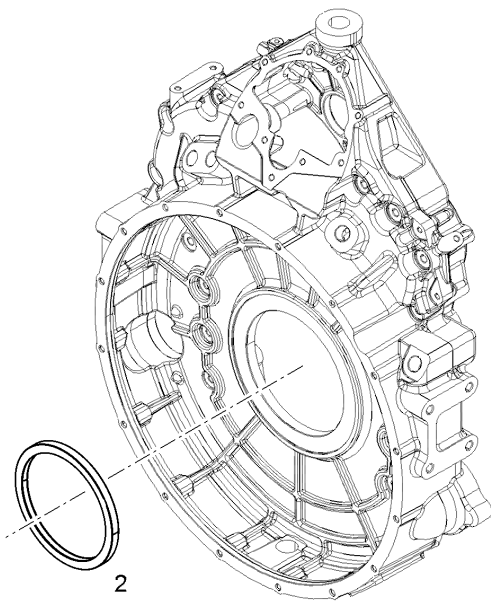
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610560	-	Main bearing	10	UN		
2	230610561	-	Main bearing	10	UN		
3	230610583	-	Thrust washer	2	UN		
4	230610584	-	Thrust washer	2	UN		
5	230610564	-	Main bearing	1	UN		
6	230610565	-	Main bearing	1	UN		



Crankshaft sealing

230610585

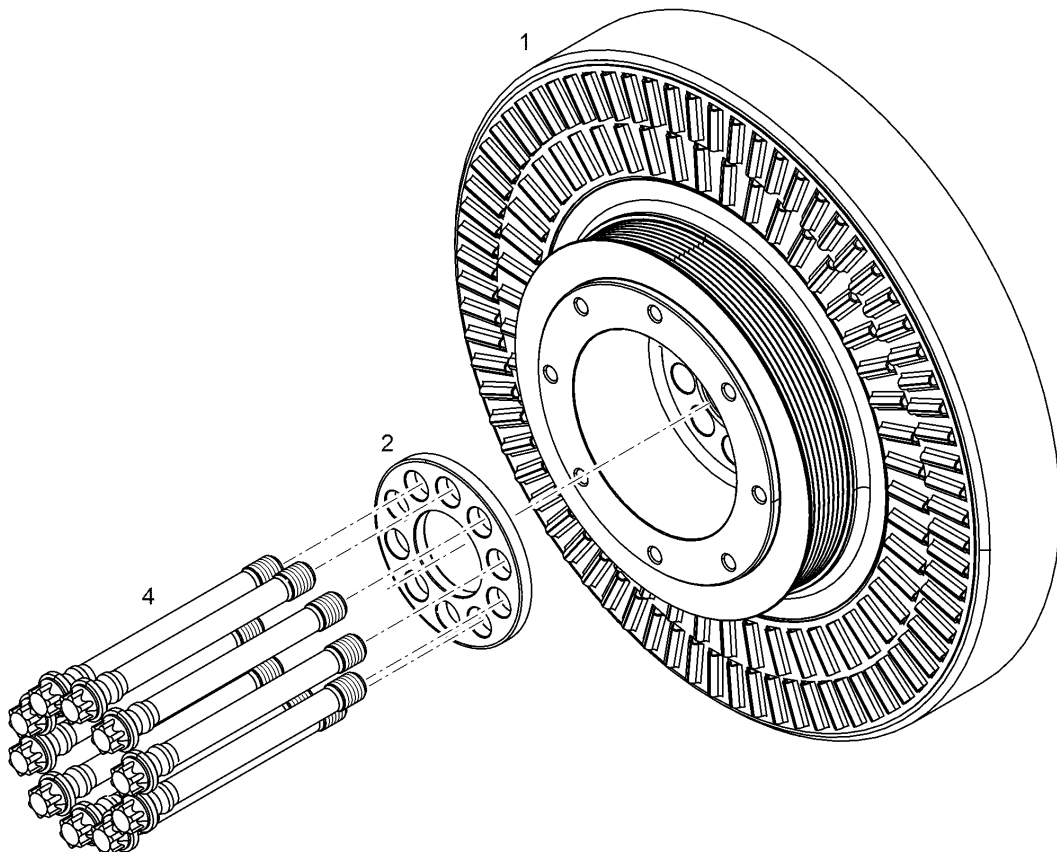
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610196	-	Rotary shaft lip seal	1	UN		
2	230611963	-	Lipseal	1	UN		



Vibration damper

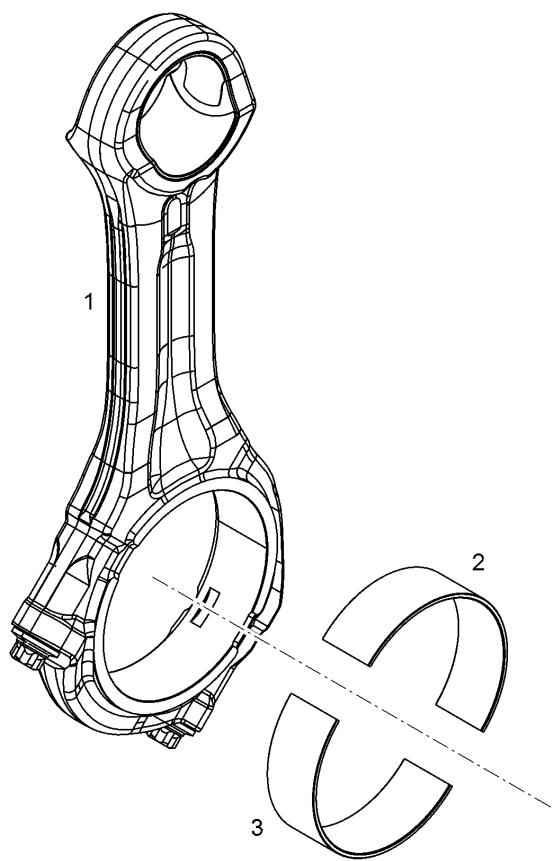
230611966

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611991	-	Vibration damper	1	UN		
2	230611992	-	Ring	1	UN		
4	230611993	-	Screw	10	UN		



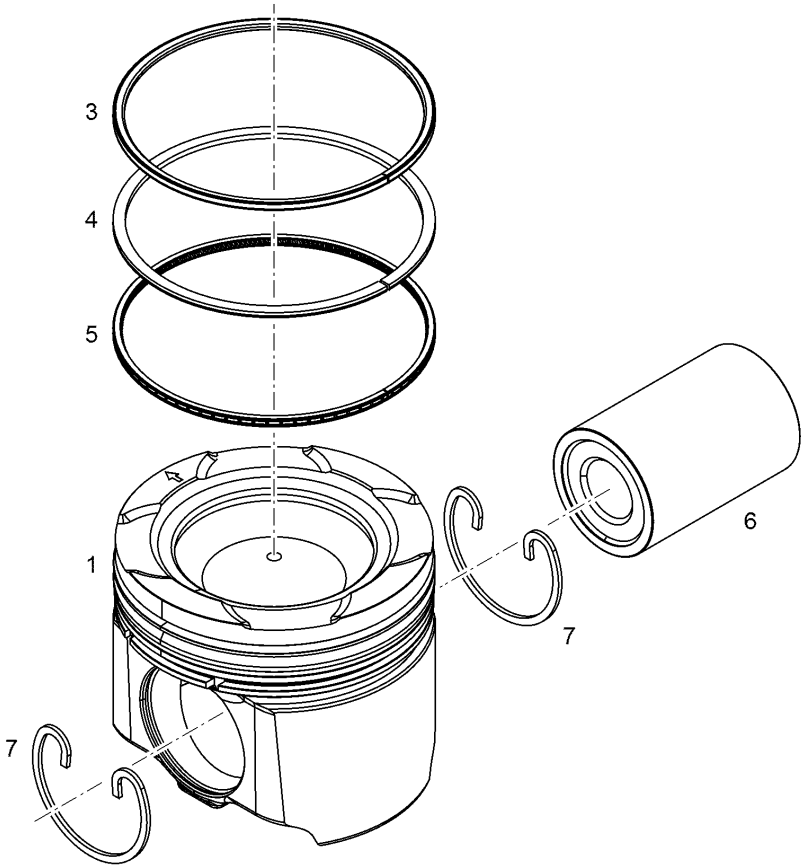
Connecting rod assembly
230610060

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610557	-	Connecting rod pre-assy.	1	UN		
2	230610559	-	Connecting rod bearing	1	UN		
3	230610558	-	Connecting rod bearing	1	UN		



Piston cpl. 230610224

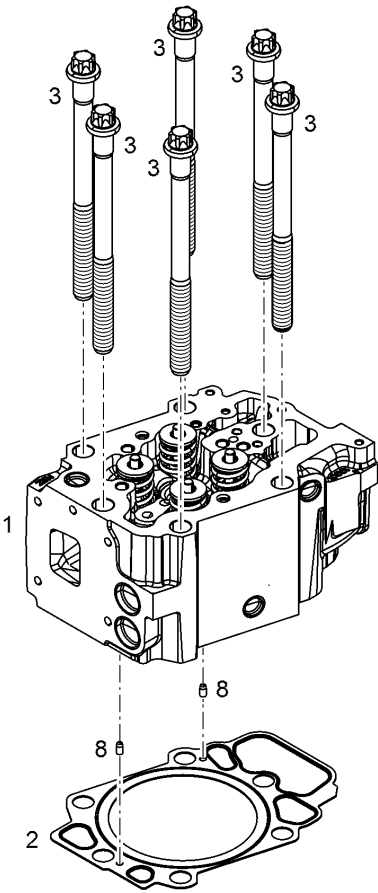
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610847	-	Piston	1	UN		
3	230610268	-	Kb-ring	1	UN		
4	230610267	-	Piston ring mg	1	UN		
5	230610266	-	Dsf ring	1	UN		
6	230610588	-	Piston bolt	1	UN		
7	230610050	-	Locking ring	2	UN		



Cylinder head assembly

230610153

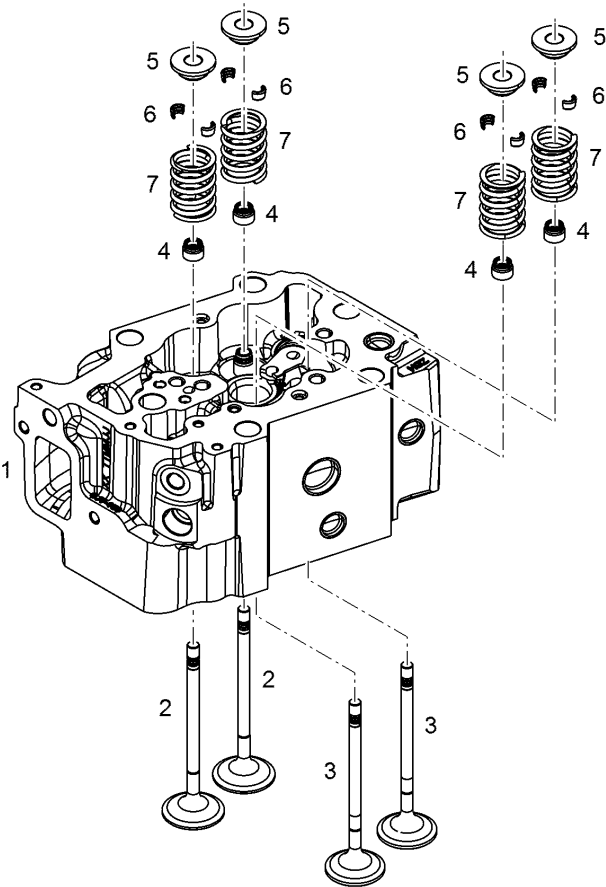
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610919	-	Cylinder head pre-assy.	1	UN		31
2	230610190	-	Cylinder head gasket	1	UN		
3	230610363	-	Cylinder screw	6	UN		
8	230610181	-	Parallel pin	2	UN		



Cylinder head pre-assy.

230610919

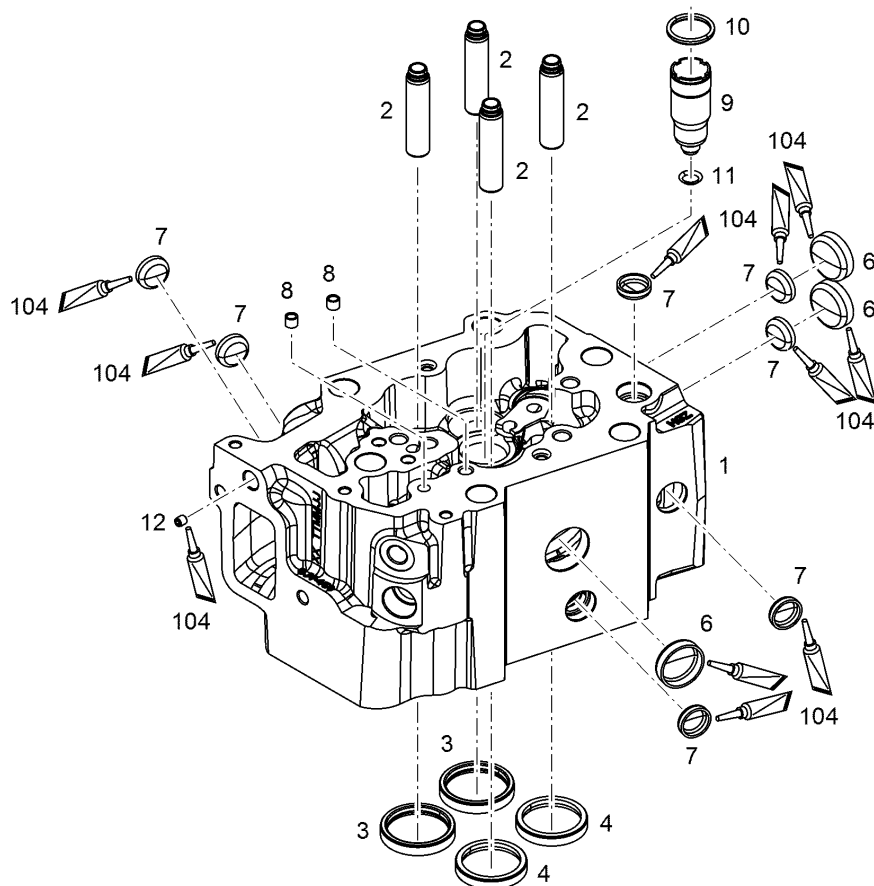
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610918	-	Cylinder head	1	UN		32
2	230610848	-	Inlet valve	2	UN		
3	230610552	-	Outlet valve	2	UN		
4	230610504	-	Valve stem seal ring	4	UN		
5	230610435	-	Spring support	4	UN		
6	230610777	-	Valve collet	8	UN		
7	230610463	-	Valve spring	4	UN		



Cylinder head

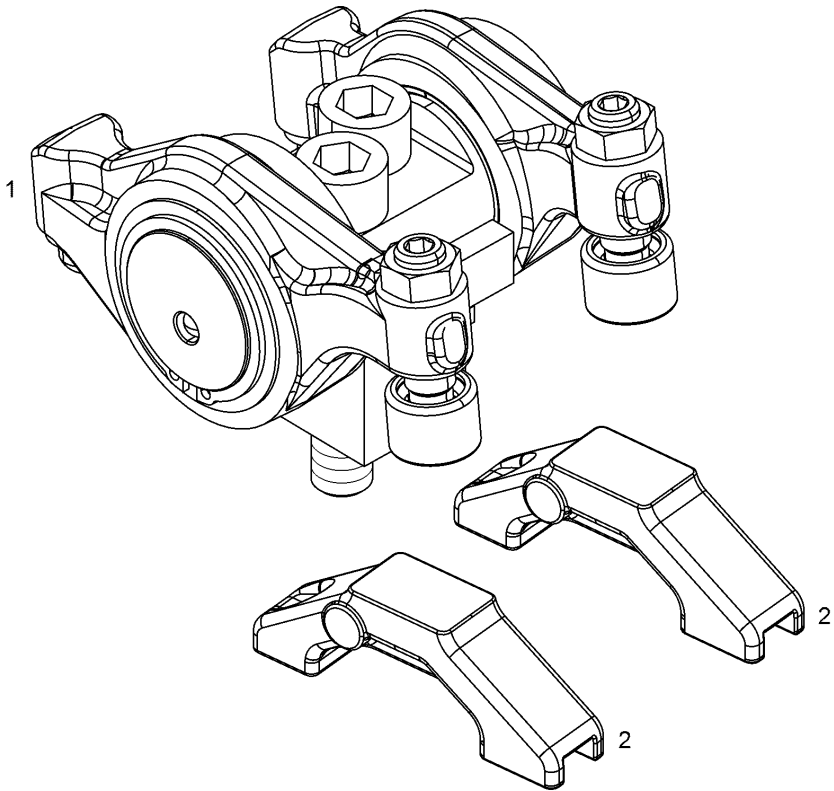
230610918

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610895	-	Cylinder head	1	UN		
2	230610593	-	Valve stem guide	4	UN		
3	230610890	-	Inlet valve seat insert	2	UN		
4	230610554	-	Exhaust valve seat insert	2	UN		
6	230612876	-	End cover	3	UN		
7	230612877	-	End cover	7	UN		
8	230610477	-	Sealing plug	2	UN		
9	230610647	-	Sleeve	1	UN		
10	230610709	-	O-ring	1	UN		
11	230610441	-	O-ring	1	UN		
12	230610428	-	Nozzle	1	UN		



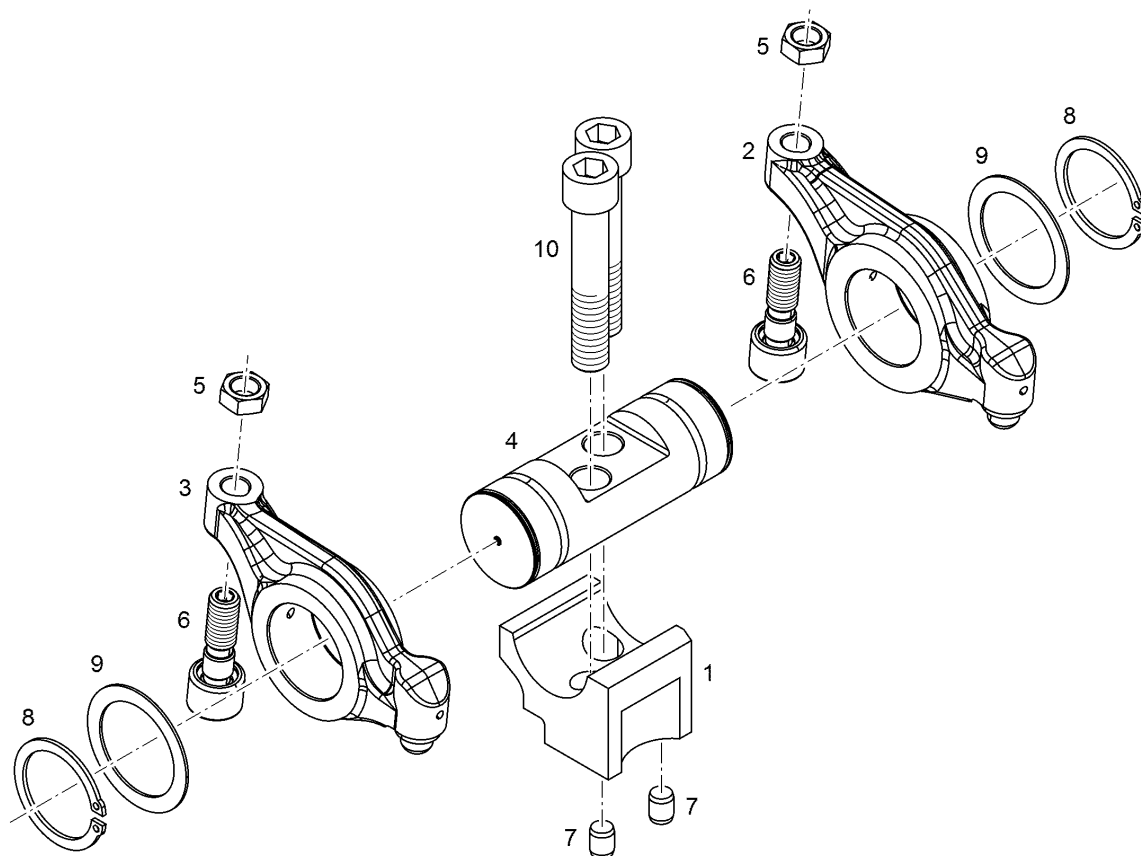
Rocker arms device cpl.
230610160

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610660	-	Rocker arm bracket pre-ass.	1	UN		34
2	230610697	-	Valve bridge	2	UN		



Rocker arm bracket pre-ass. 230610660

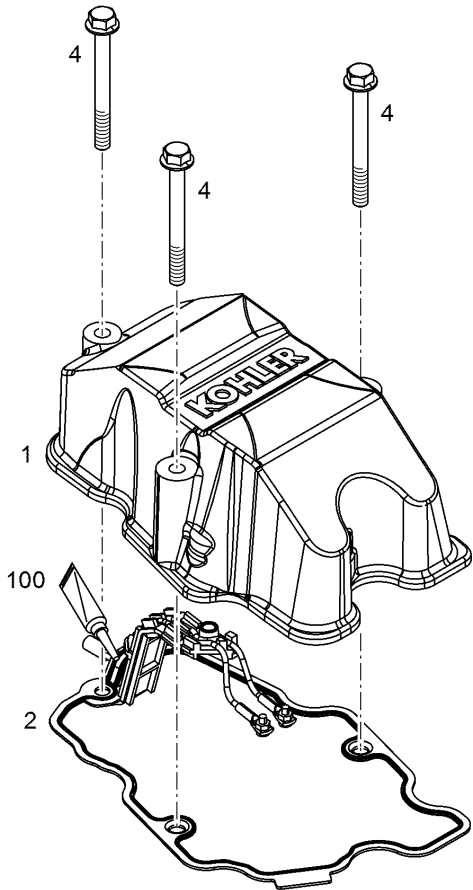
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610759	-	Rocker arm support	1	UN		
2	230610762	-	Rocker arm	1	UN		
3	230610761	-	Rocker arm	1	UN		
4	230610763	-	Rocker axle pre-ass.	1	UN		
5	230610654	-	Hex nut	2	UN		
6	230610655	-	Adjusting screw	2	UN		
7	230610947	-	Parallel pin	2	UN		
8	230611013	-	Locking ring	2	UN		
9	230610656	-	Washer	2	UN		
10	230610708	-	Socket head screw	2	UN		



Cylinder head cover assembly

230610073

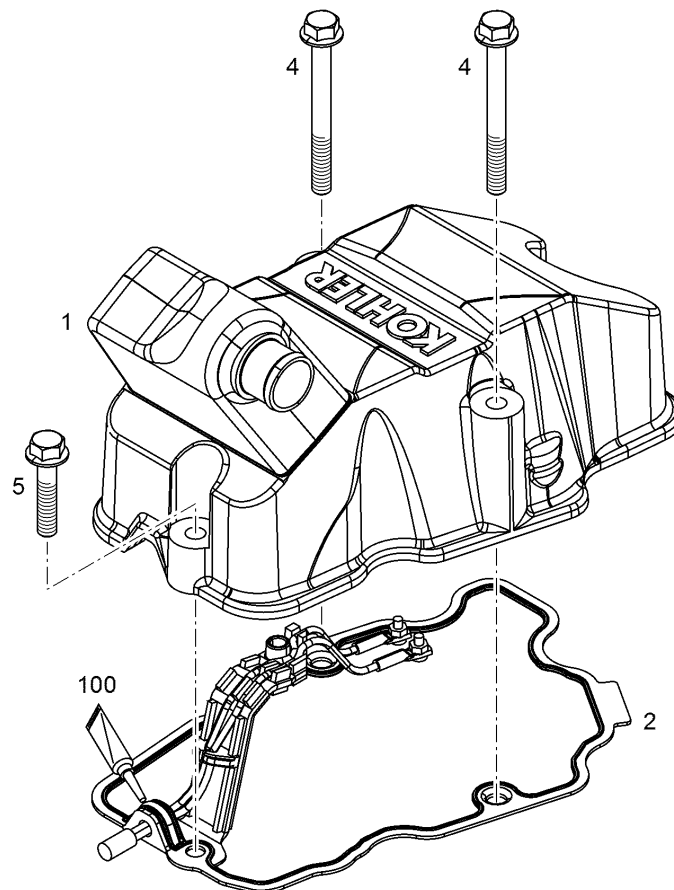
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612269	-	Cylinder head cover	1	UN		
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	3	UN		



Cylinder head cover assembly

230610589

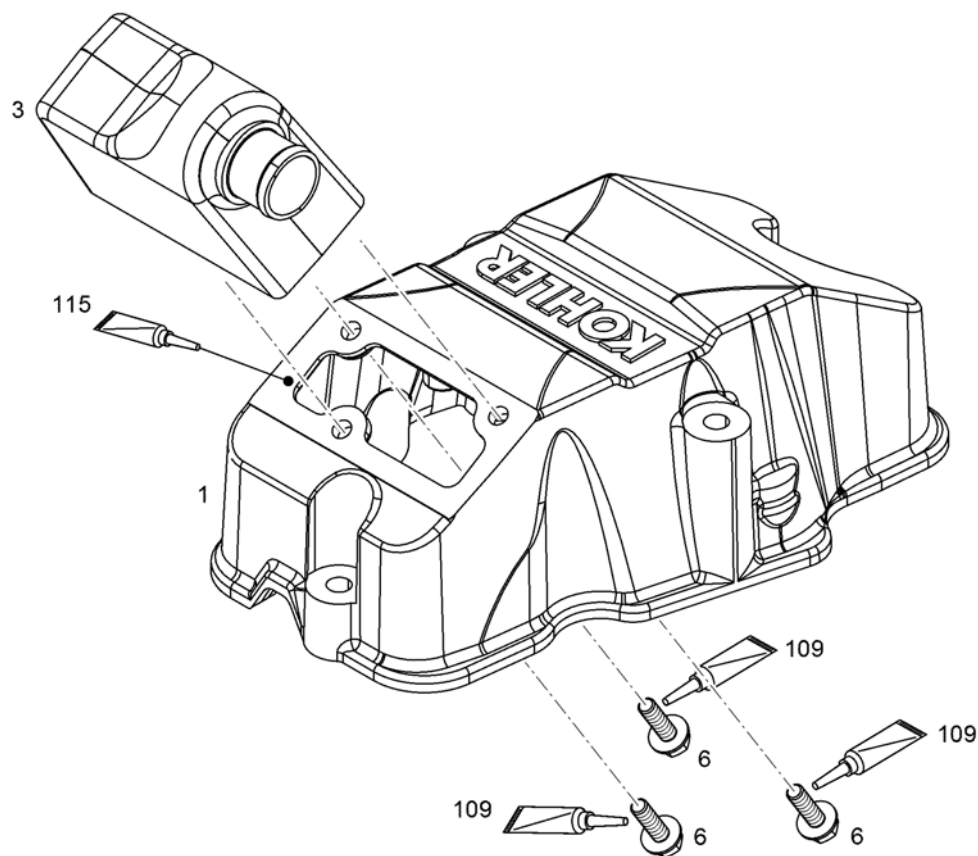
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610809	-	Cylinder head cover assembly	1	UN		37
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	2	UN		
5	230611473	-	Hex screw	1	UN		



Cylinder head cover assembly

230610809

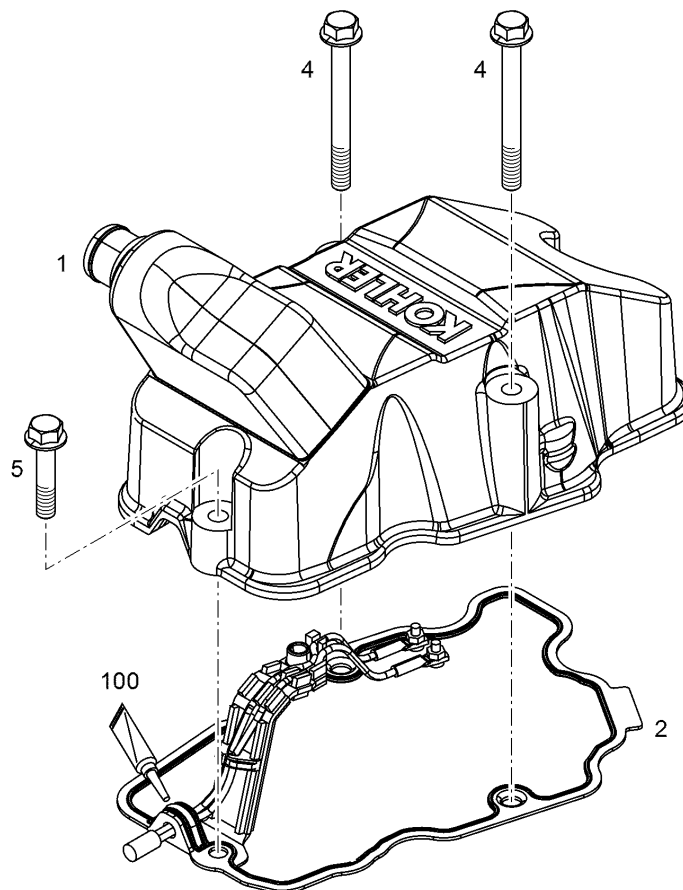
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612268	-	Cylinder head cover	1	UN		
3	230610509	-	Connection piece	1	UN		
6	230612874	-	Hex screw	3	UN		



Cylinder head cover assembly

230610556

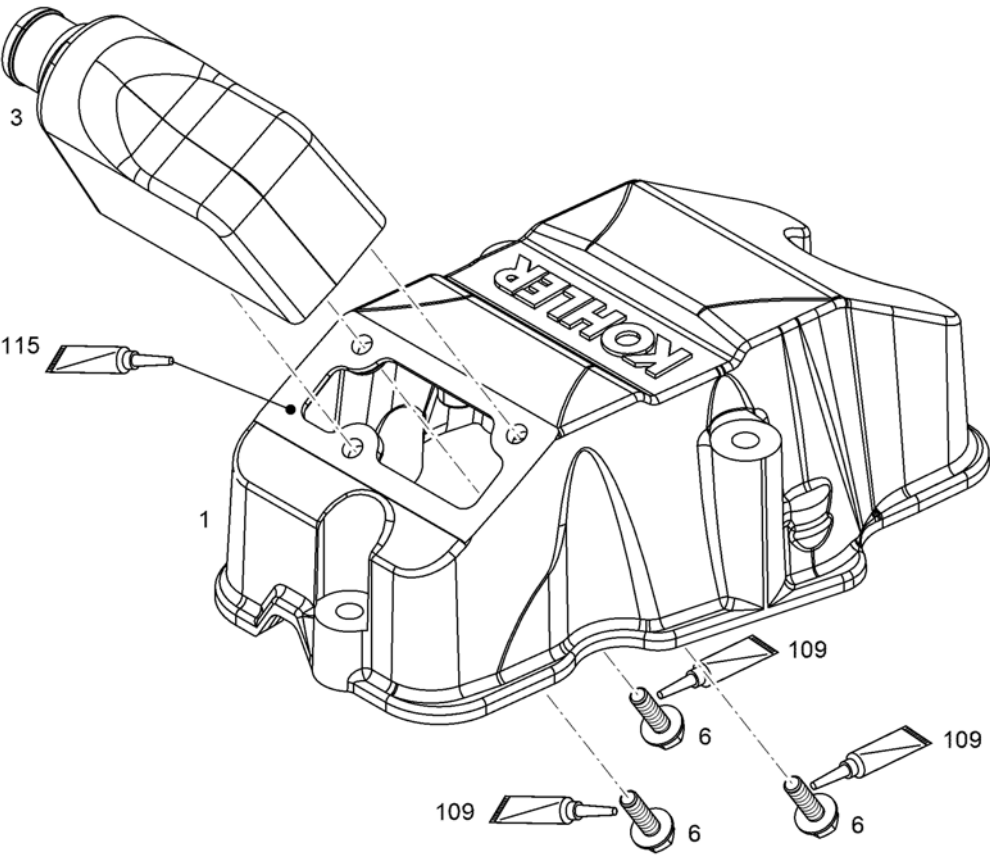
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610808	-	Cylinder head cover assembly	1	UN		39
2	230610191	-	Seal	1	UN		
4	230611370	-	Hex screw	2	UN		
5	230611473	-	Hex screw	1	UN		



Cylinder head cover assembly

230610808

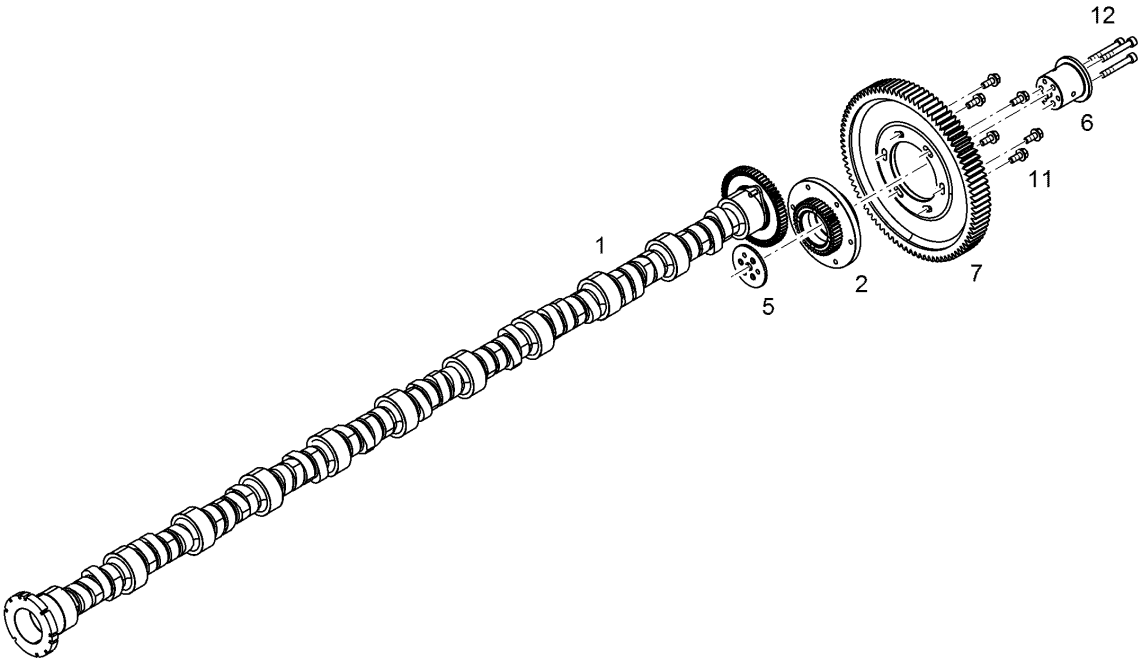
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612268	-	Cylinder head cover	1	UN		
3	230610509	-	Connection piece	1	UN		
6	230612874	-	Hex screw	3	UN		



Camshaft cpl.

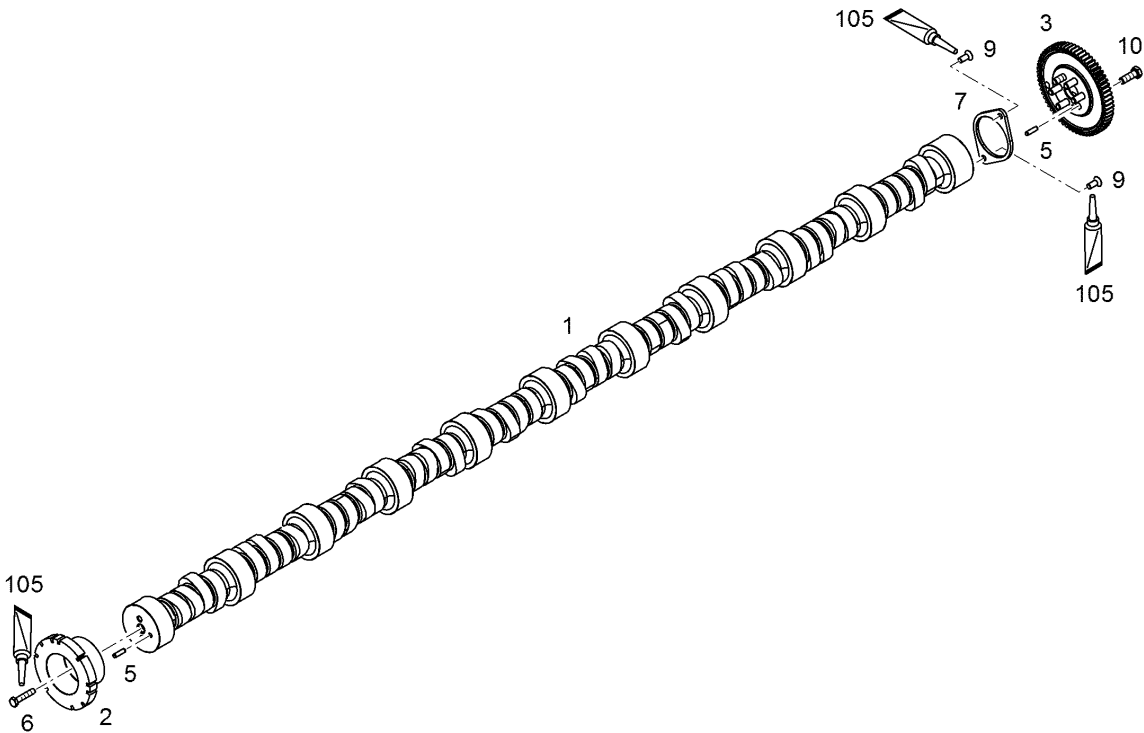
230610857

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610856	-	Camshaft pre-ass.	1	UN		41
2	230610688	-	Gearwheel pre-ass.	1	UN		
5	230610569	-	Flange	1	UN		
6	230610568	-	Shaft	1	UN		
7	230610693	-	Gear wheel	1	UN		
11	230610469	-	Hex screw	6	UN		
12	230610400	-	Socket head screw	3	UN		



Camshaft pre-ass. 230610856

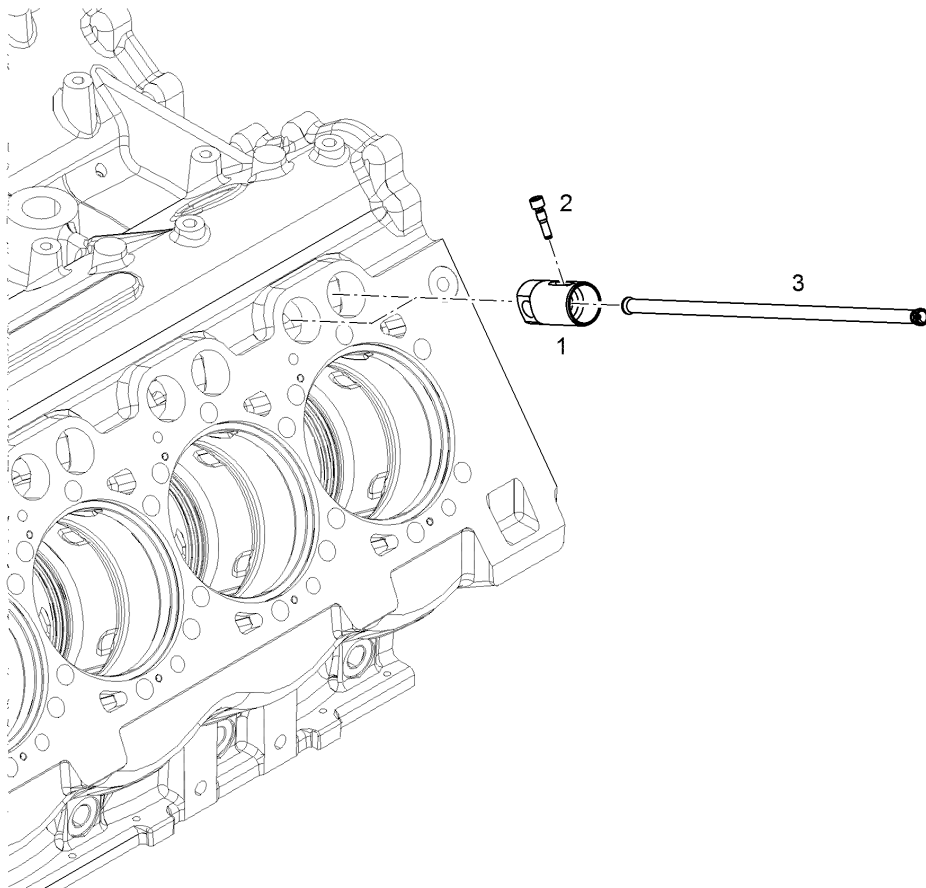
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610916	-	Camshaft	1	UN		
2	230610846	-	Timing disk	1	UN		
3	230610692	-	Gear wheel	1	UN		
5	230610401	-	Parallel pin	2	UN		
6	230610370	-	Hex screw	1	UN		
7	230610567	-	Bearing flange	1	UN		
9	230610936	-	Countersunk screw	2	UN		
10	230610934	-	Hex screw	6	UN		



Control parts

230610587

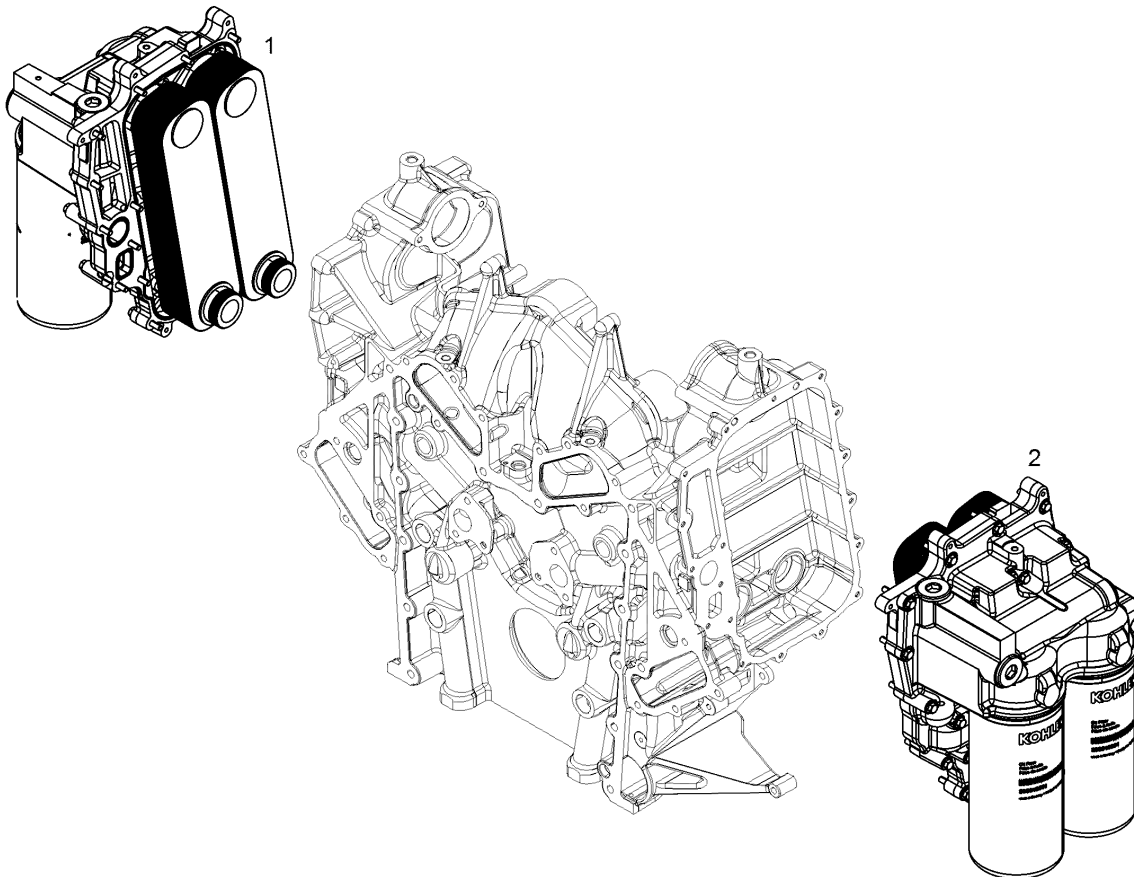
Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610239	-	Roller tappet	2	UN		
2	230610594	-	Locking screw	2	UN		
3	230610899	-	Tappet push rod	2	UN		



Oil module assembly

230611967

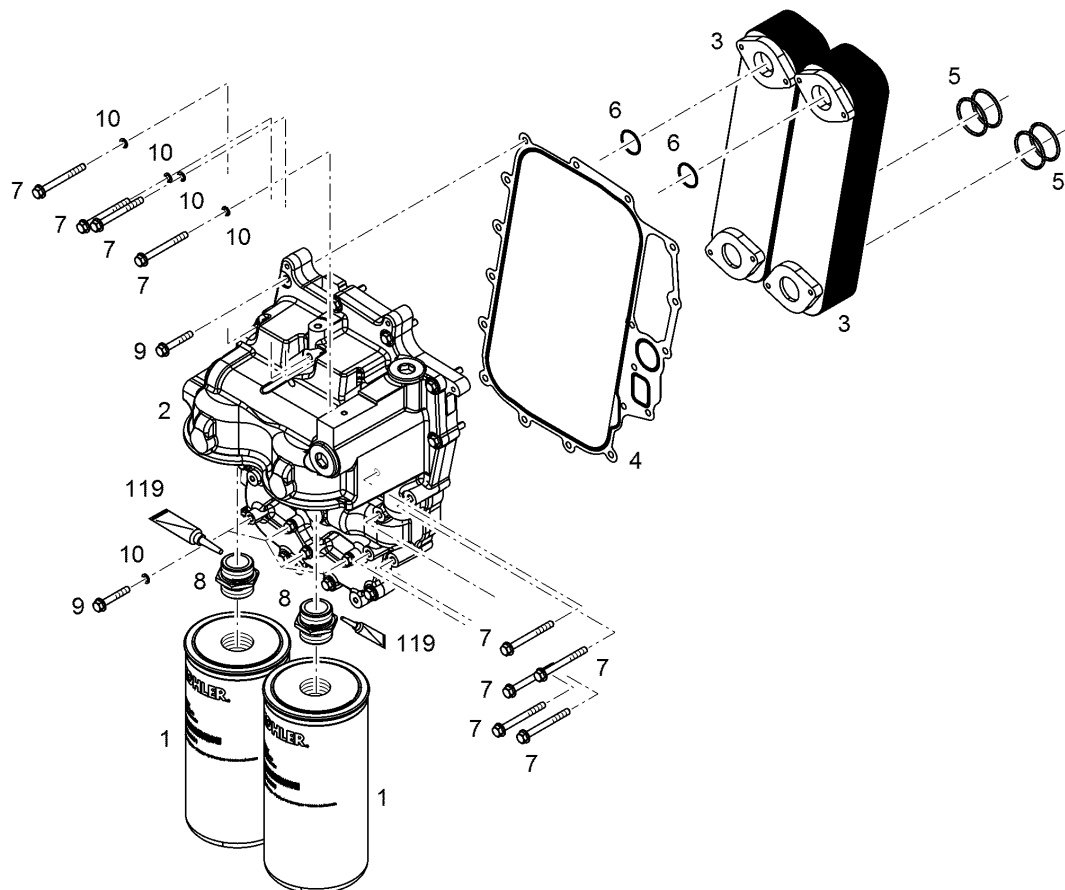
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611988	-	Oil module left	1	UN		44
2	230611989	-	Oil module right	1	UN		46



Oil module left

230611988

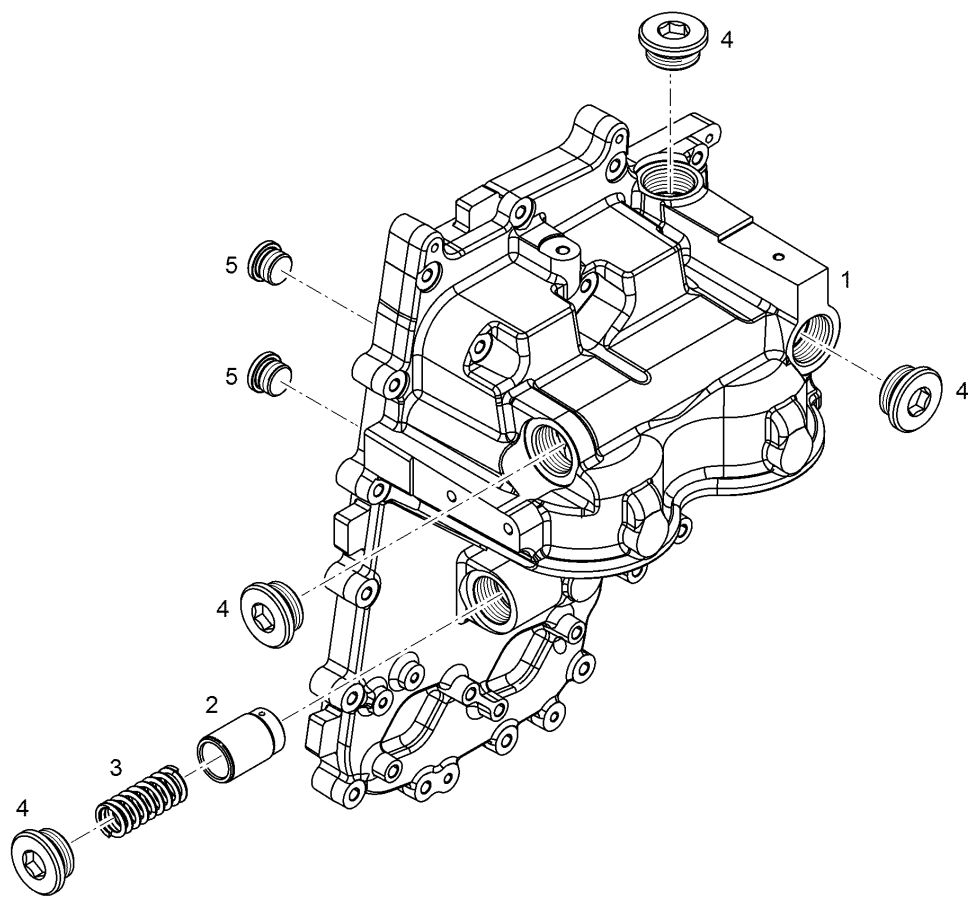
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230510001	-	Oil filter	2	UN		
2	230610983	-	Oil cooler housing	1	UN		45
3	230610754	-	Oil cooler	2	UN		
4	230610746	-	Seal	1	UN		
5	230610417	-	O-ring	4	UN		
6	230610203	-	O-ring	2	UN		
7	230610333	-	Hex screw	9	UN		
8	230610250	-	Fittings	2	UN		
9	230611490	-	Hex screw	17	UN		
10	230610393	-	Sealing ring	8	UN		



Oil cooler housing

230610983

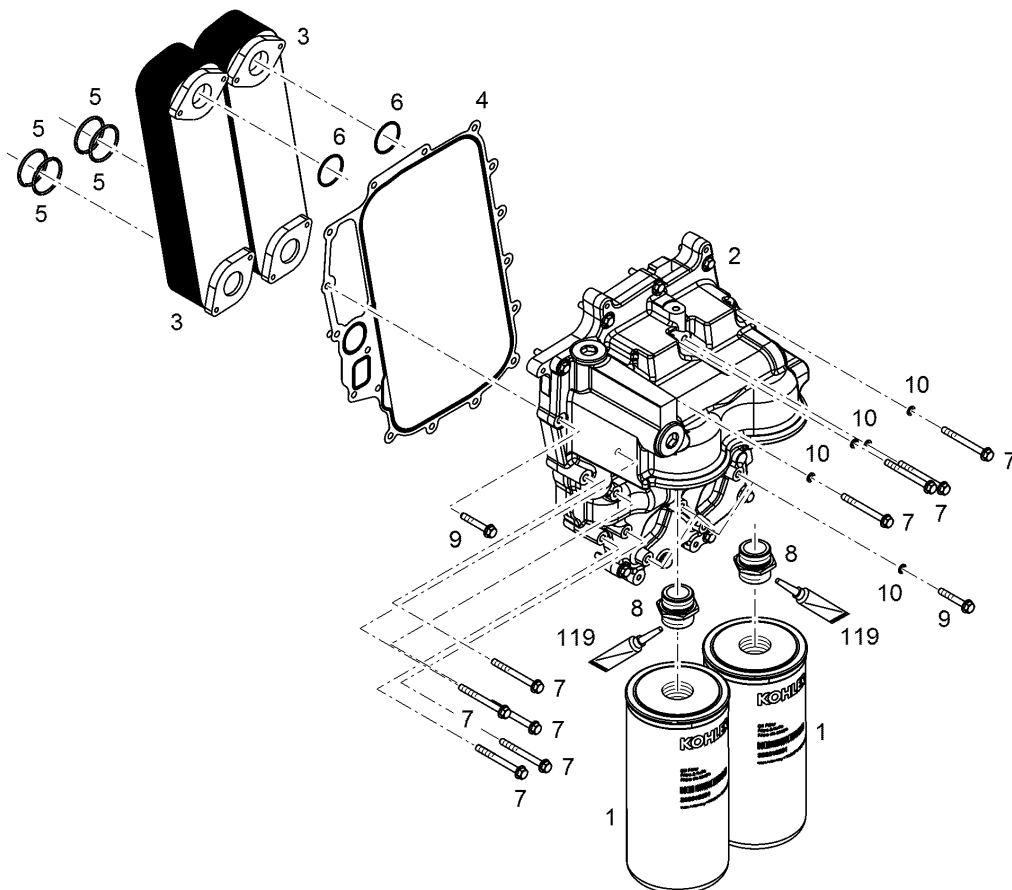
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610963	-	Oil cooler housing	1	UN		
2	230610634	-	Piston	1	UN		
3	230610633	-	Pressure spring	1	UN		
4	230610070	-	Screw plug	4	UN		
5	230610484	-	Screw plug	2	UN		



Oil module right

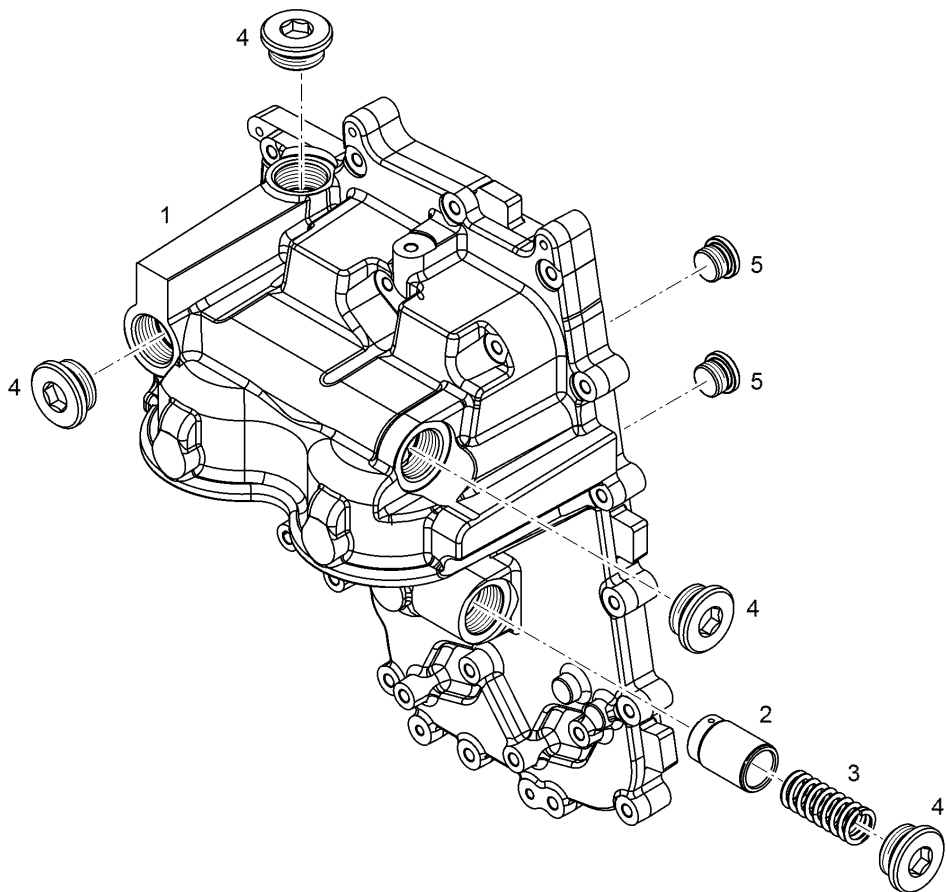
230611989

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230510001	-	Oil filter	2	UN		
2	230610984	-	Oil cooler housing	1	UN		47
3	230610754	-	Oil cooler	2	UN		
4	230610746	-	Seal	1	UN		
5	230610417	-	O-ring	4	UN		
6	230610203	-	O-ring	2	UN		
7	230610333	-	Hex screw	9	UN		
8	230610250	-	Fittings	2	UN		
9	230611490	-	Hex screw	17	UN		
10	230610393	-	Sealing ring	8	UN		



Oil cooler housing
230610984

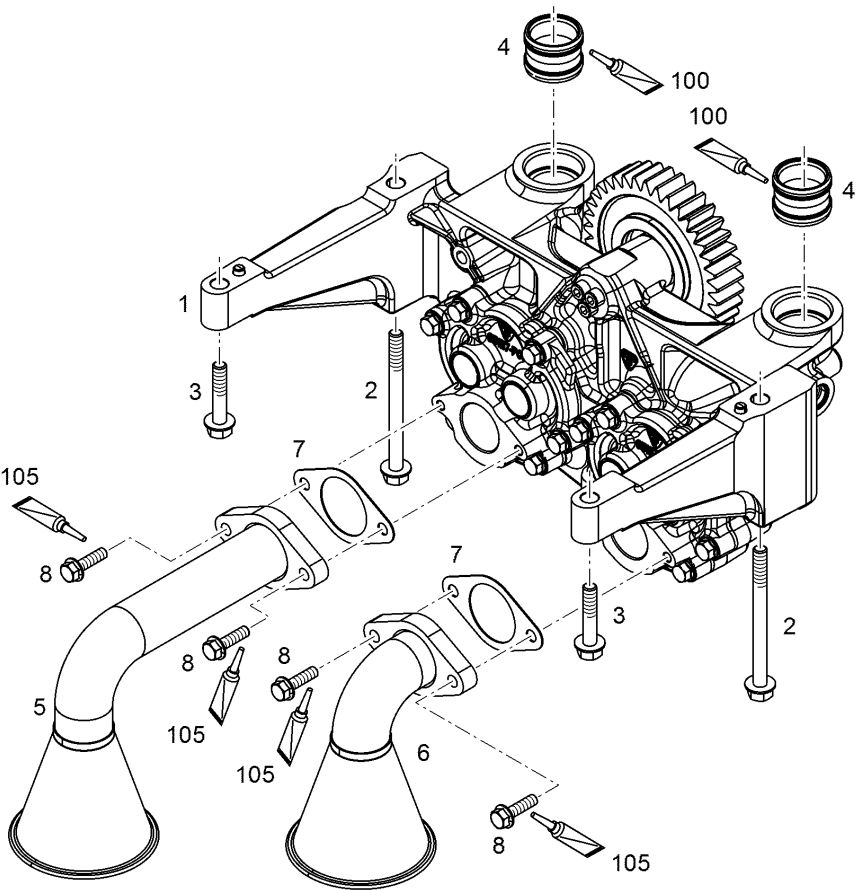
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610962	-	Oil cooler housing	1	UN		
2	230610634	-	Piston	1	UN		
3	230610633	-	Pressure spring	1	UN		
4	230610070	-	Screw plug	4	UN		
5	230610484	-	Screw plug	2	UN		



Lube oil pump with fastening

230610798

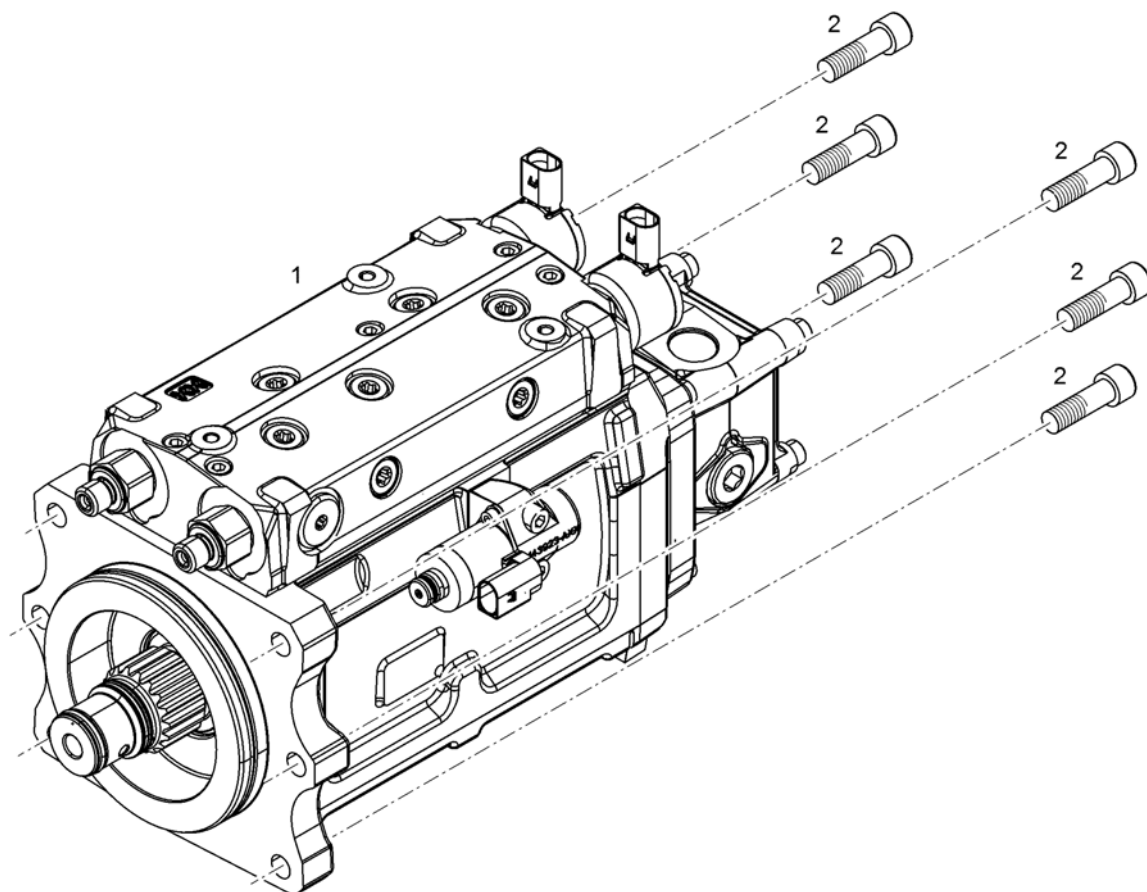
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611971	-	Oil pump	1	UN		
2	230610953	-	Hex screw	2	UN		
3	230610949	-	Hex screw	2	UN		
4	230610711	-	Plug-in pipe	2	UN		
5	230610785	-	Suction pipe	1	UN		
6	230610786	-	Suction pipe	1	UN		
7	230610672	-	Seal	2	UN		
8	230610950	-	Hex screw	4	UN		



HP pump

230611968

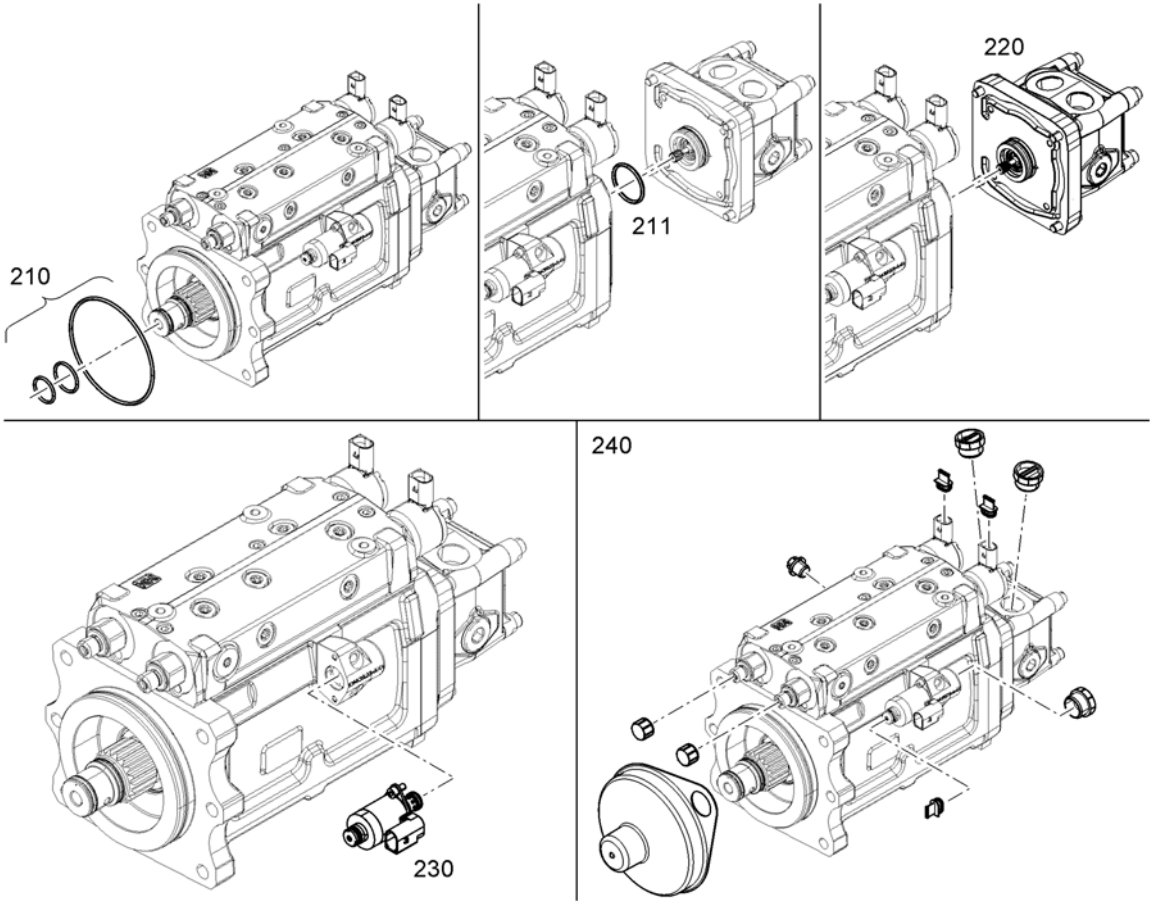
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611994	-	Injection pump	1	UN		50
2	230611687	-	Socket head screw	6	UN		



Injection pump

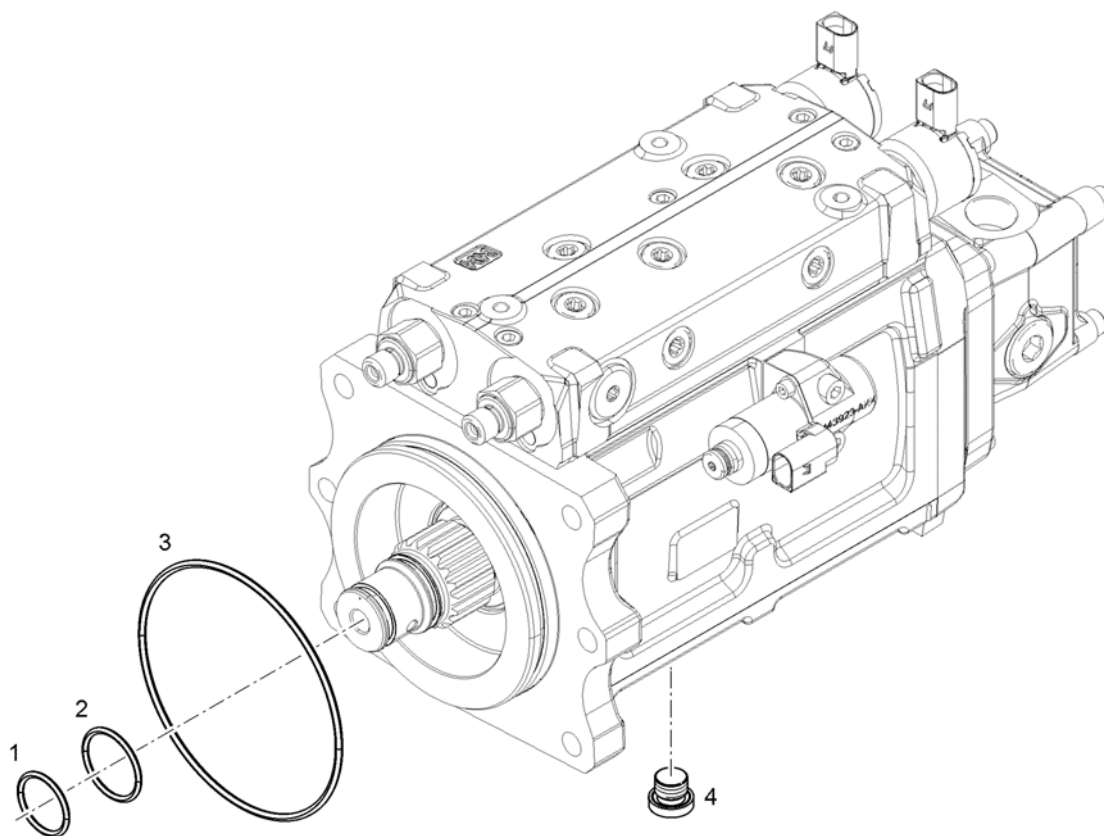
230611994

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
210	230612814	-	Seal kit high pressure pump	1	UN		51
211	230612767	-	Seal kit prefeeding pump	1	UN		52
220	230612815	-	Rk pre-feed pump	1	UN		53
230	230612743	-	Rk volum control valve	1	UN		54
240	230612816	-	Covering caps - kit	1	UN		55



Seal kit high pressure pump 230612814

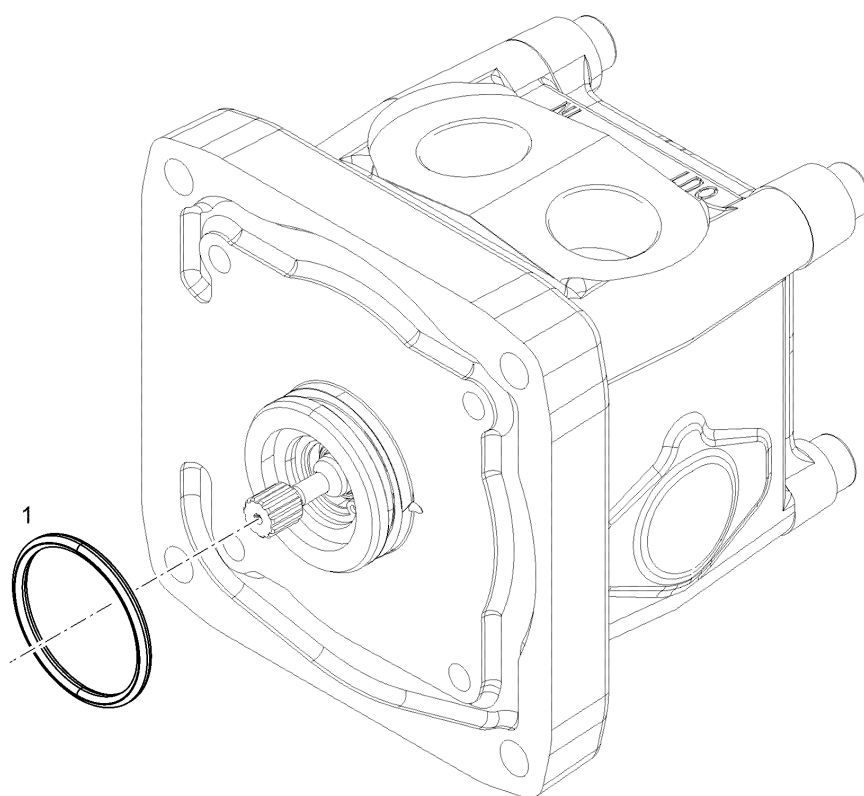
Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230611998	-	O-ring	1	UN		
2	230611999	-	O-ring	1	UN		
3	230610211	-	O-ring	1	UN		
4	230612691	-	Screw plug	1	UN		



Seal kit prefeeding pump

230612767

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612403	-	O-ring	1	UN		
140	230612744	-	Mounting requirement	1	UN		

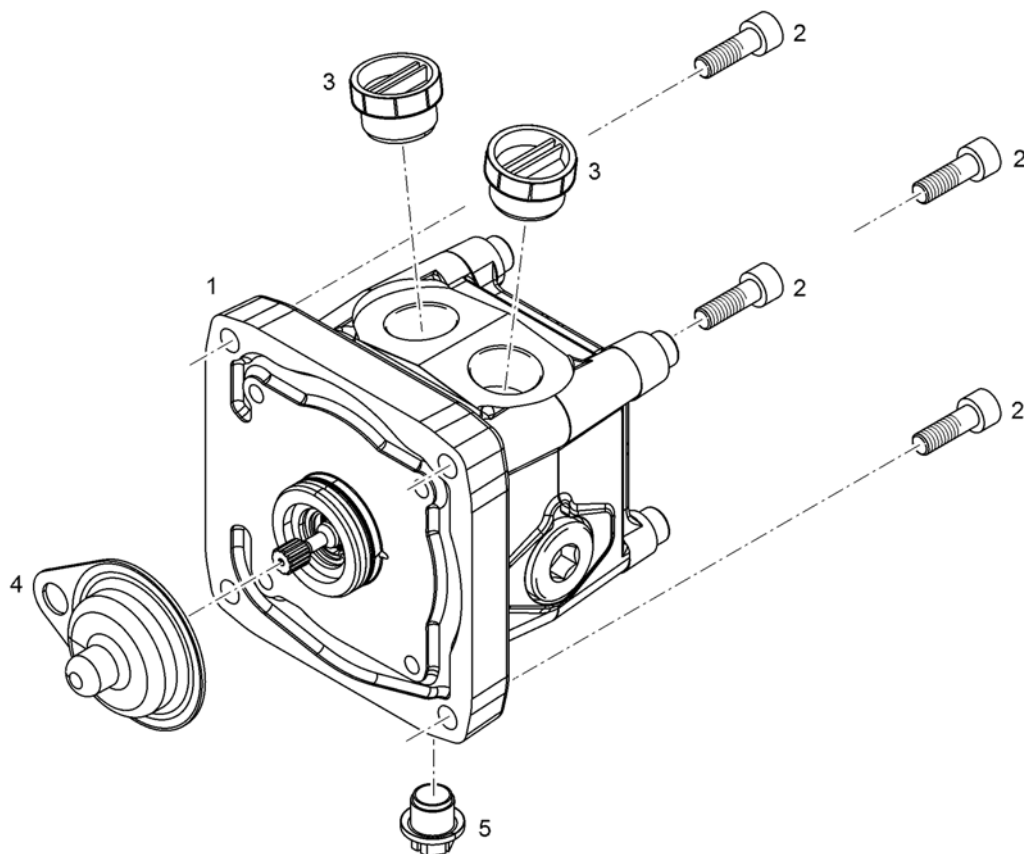


i 140

Rk pre-feed pump

230612815

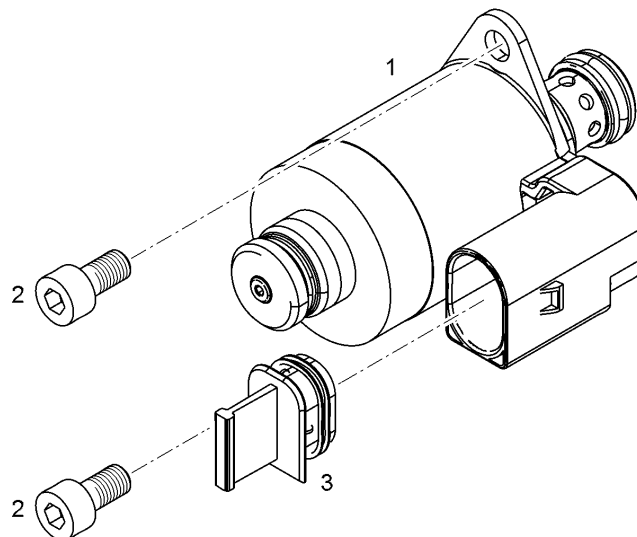
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612823	-	Prefeeding pump	1	UN		
2	230612896	-	Socket head screw	4	UN		
3	230612690	-	Screw stopper	2	UN		
4	230612718	-	Cover lid	1	UN		
5	230612693	-	Sealing plug	1	UN		



Rk volum control valve

230612743

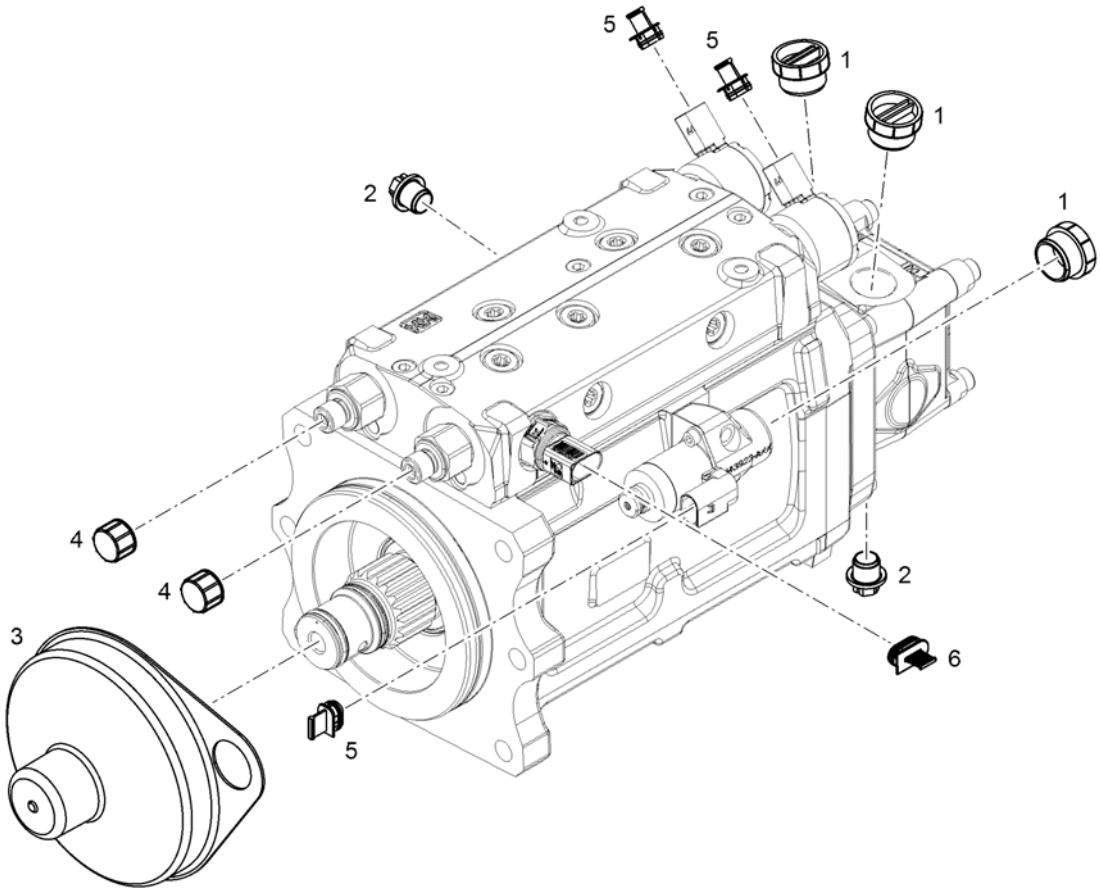
Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230612726	-	Volum control valve	1	UN		
2	230612443	-	Socket head screw	2	UN		
3	230612234	-	Blanking plug	1	UN		



Covering caps - kit

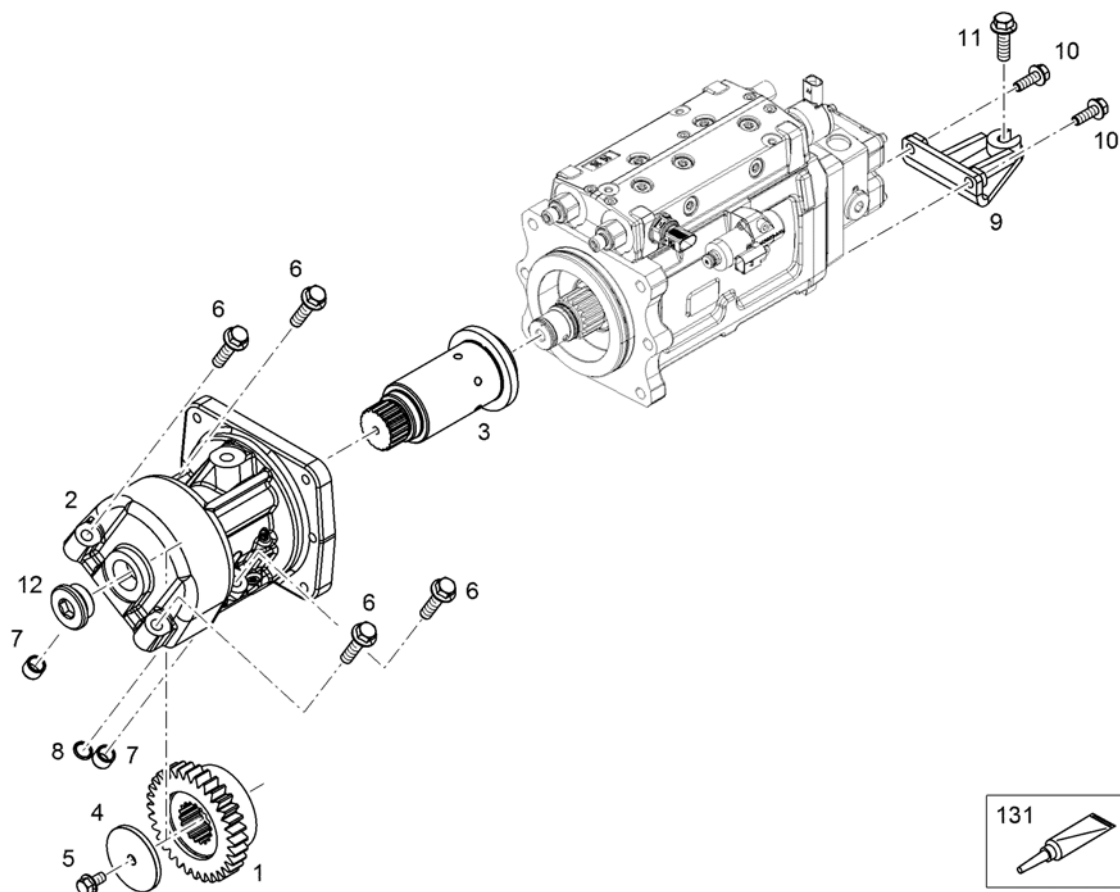
230612816

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230612690	-	Screw stopper	3	UN		
2	230612693	-	Sealing plug	2	UN		
3	230612692	-	Cover lid	1	UN		
4	230612824	-	Screw cap	2	UN		
5	230612234	-	Blanking plug	3	UN		
6	230612233	-	Blanking plug	1	UN		



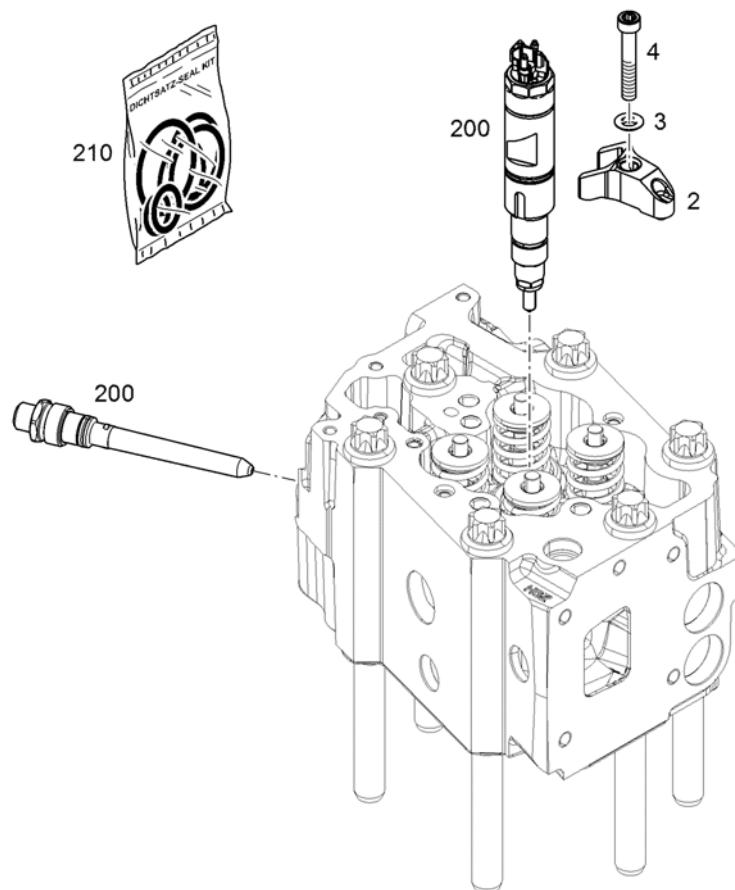
Drive for high pressure pump 230610682

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610677	-	Gear wheel	1	UN		
2	230610664	-	Housing pre-assembled	1	UN		
3	230610669	-	Drive shaft	1	UN		
4	230610678	-	Washer	1	UN		
5	230612885	-	Hex screw	1	UN		
6	230612886	-	Hex screw	4	UN		
7	230610446	-	Tight fit sleeve	2	UN		
8	230610413	-	O-ring	1	UN		
9	230610680	-	Holder	1	UN		
10	230611441	-	Hex screw	2	UN		
11	230612455	-	Hex screw	1	UN		
12	230610070	-	Screw plug	1	UN		



Injector with fastening
230612373

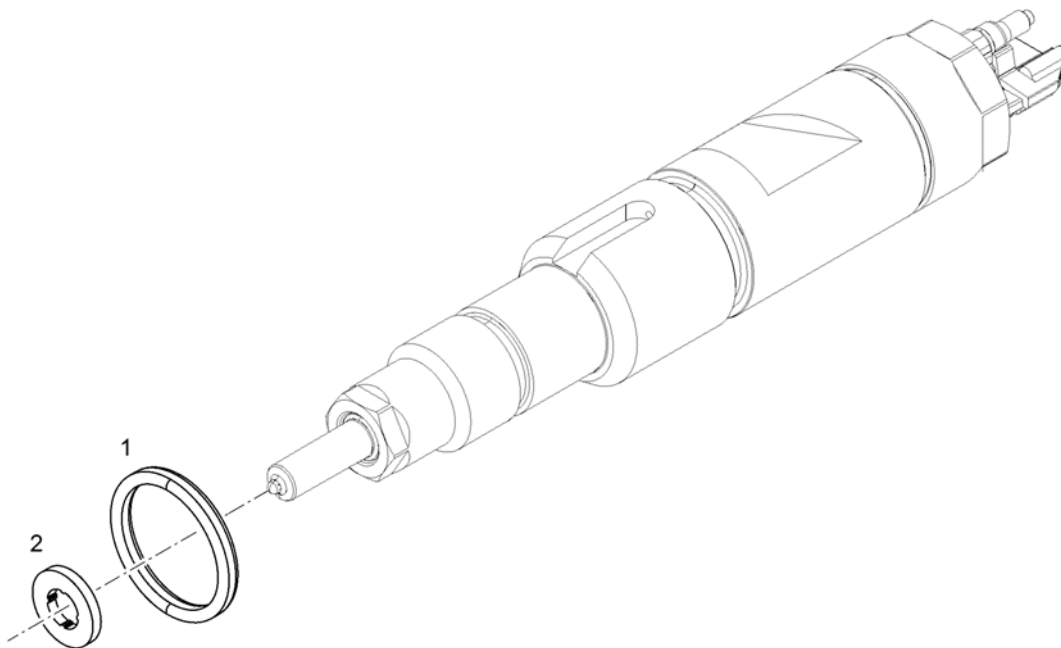
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
2	230610182	-	Jaw	1	UN		
3	230612875	-	Spherical washer	1	UN		
4	230610317	-	Socket head screw	1	UN		
200	230612952	-	Rk injector	1	UN		59
210	230610228	-	Seal kit injector	1	UN		58



Seal kit injector

230610228

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610526	-	O-ring	1	UN		
2	230610545	-	Sheet gasket	1	UN		
140	230610529	-	Mounting requirement	1	UN		

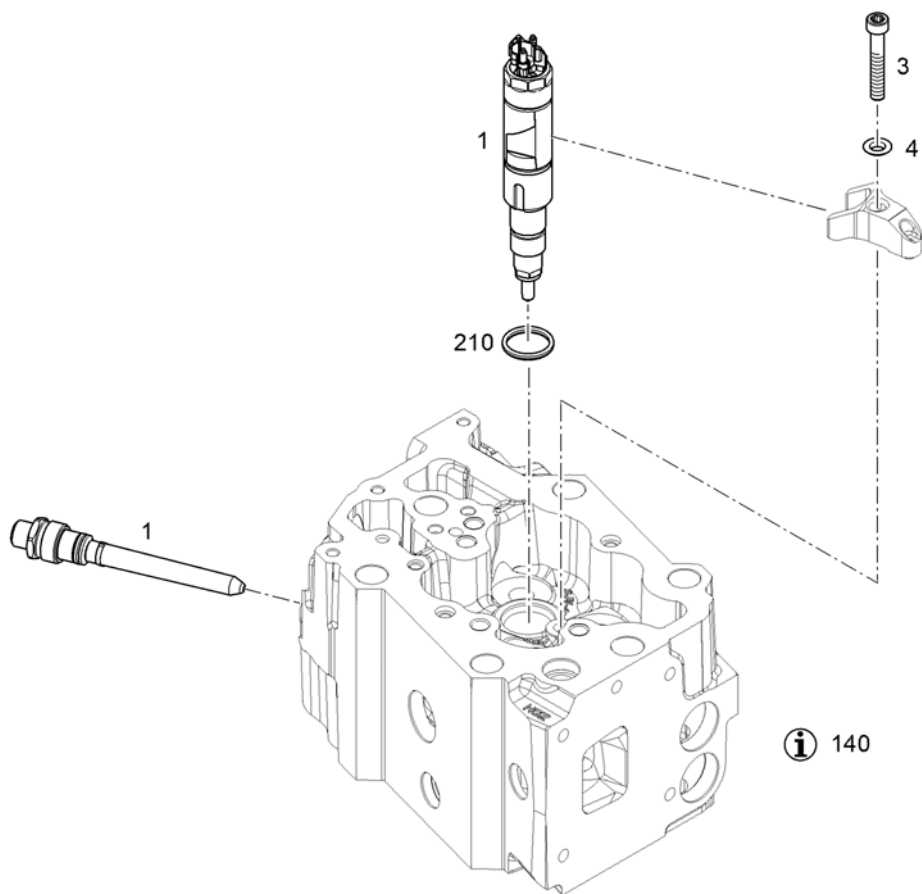


i 140

Rk injector

230612952

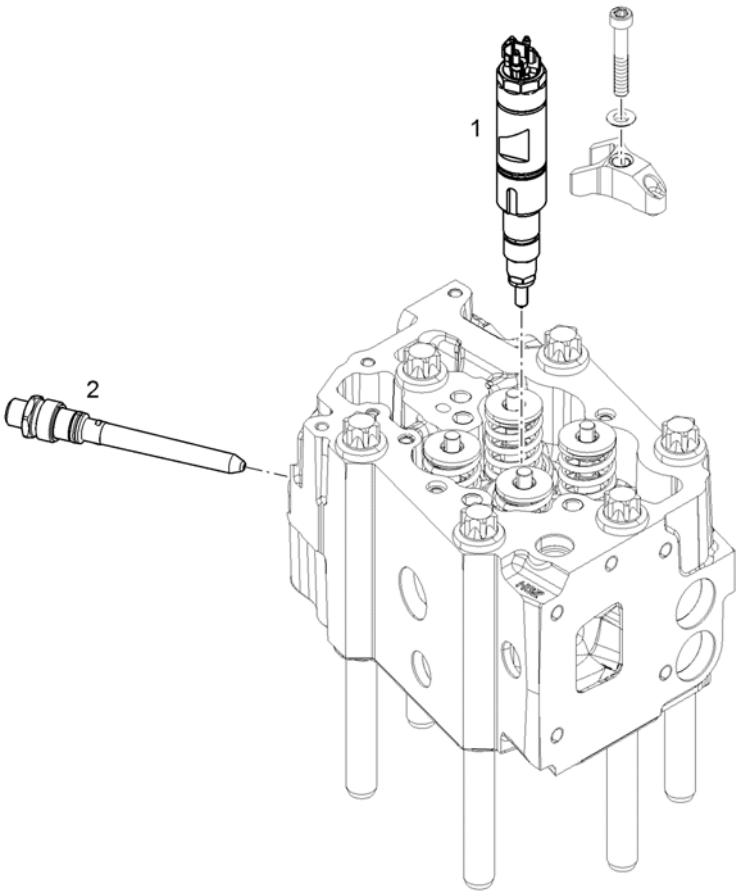
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612966	-	Rk injector	1	UN		60
3	230610317	-	Socket head screw	1	UN		
4	230612875	-	Spherical washer	1	UN		
140	230610529	-	Mounting requirement	1	UN		
210	230610228	-	Seal kit injector	1	UN		58



Rk injector

230612966

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230612967	-	Injector	1	UN		
2	230610251	-	High pressure connector	1	UN		61



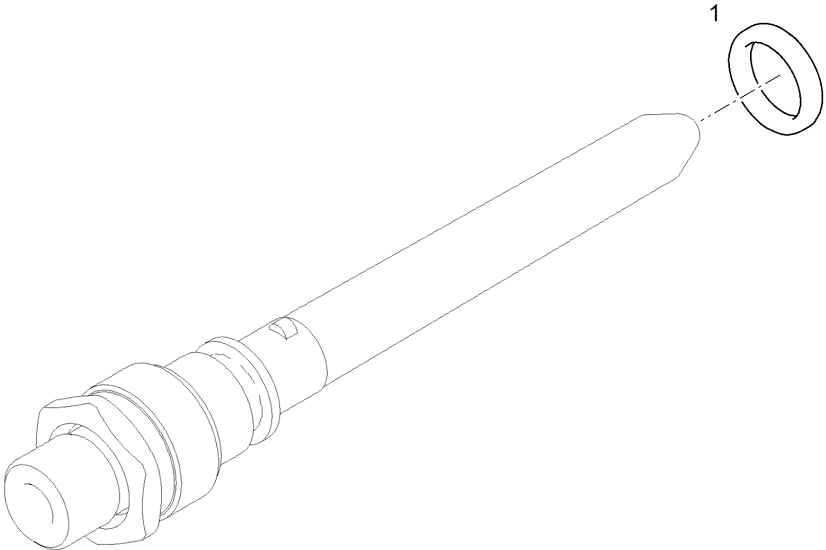
High pressure connector

230610251

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
210	230610227	-	Seal kit high press.connector	1	UN		62

Seal kit high press.connector
230610227

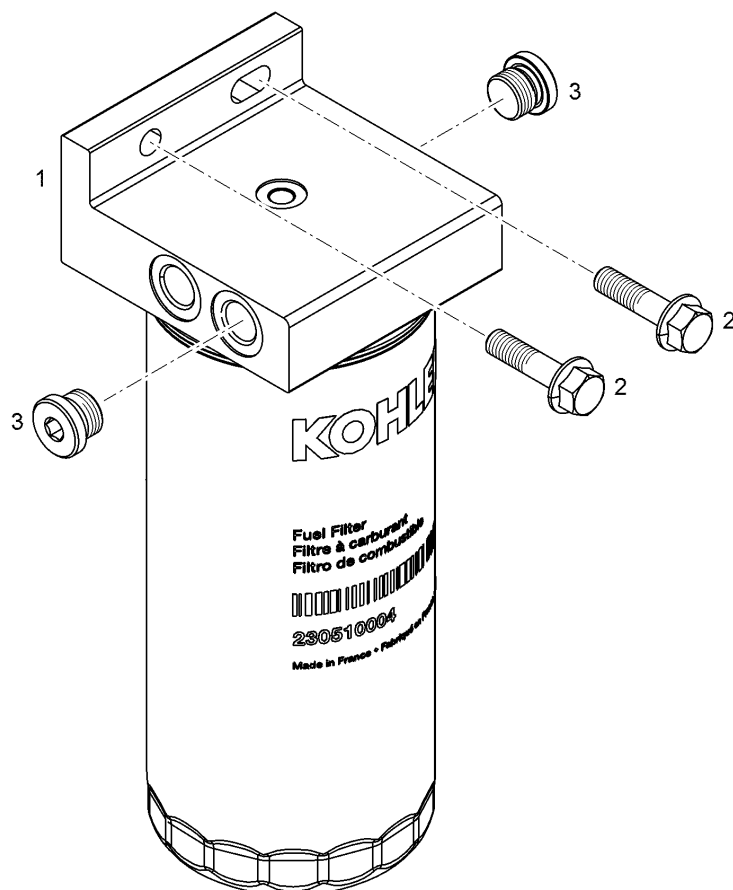
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610729	-	O-ring	1	UN		



Fuel filter

230611969

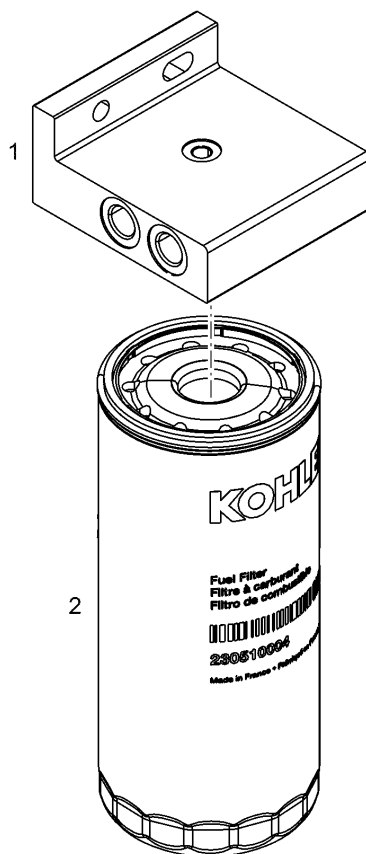
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611987	-	Fuel filter	1	UN		64
2	230610489	-	Hex screw	2	UN		
3	230610415	-	Screw plug	2	UN		



Fuel filter

230611987

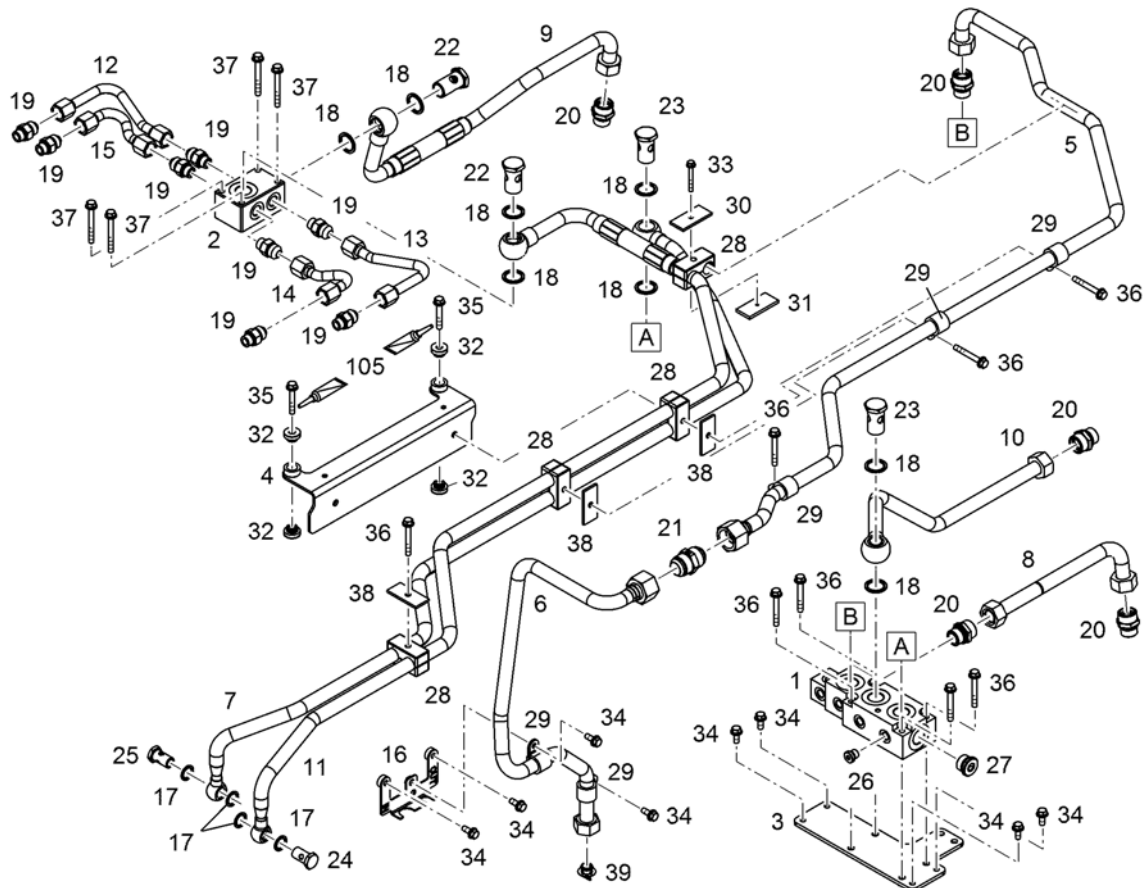
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611956	-	Filter head	1	UN		
2	230510004	-	Fuel filter	1	UN		



Fuel lines

230610789

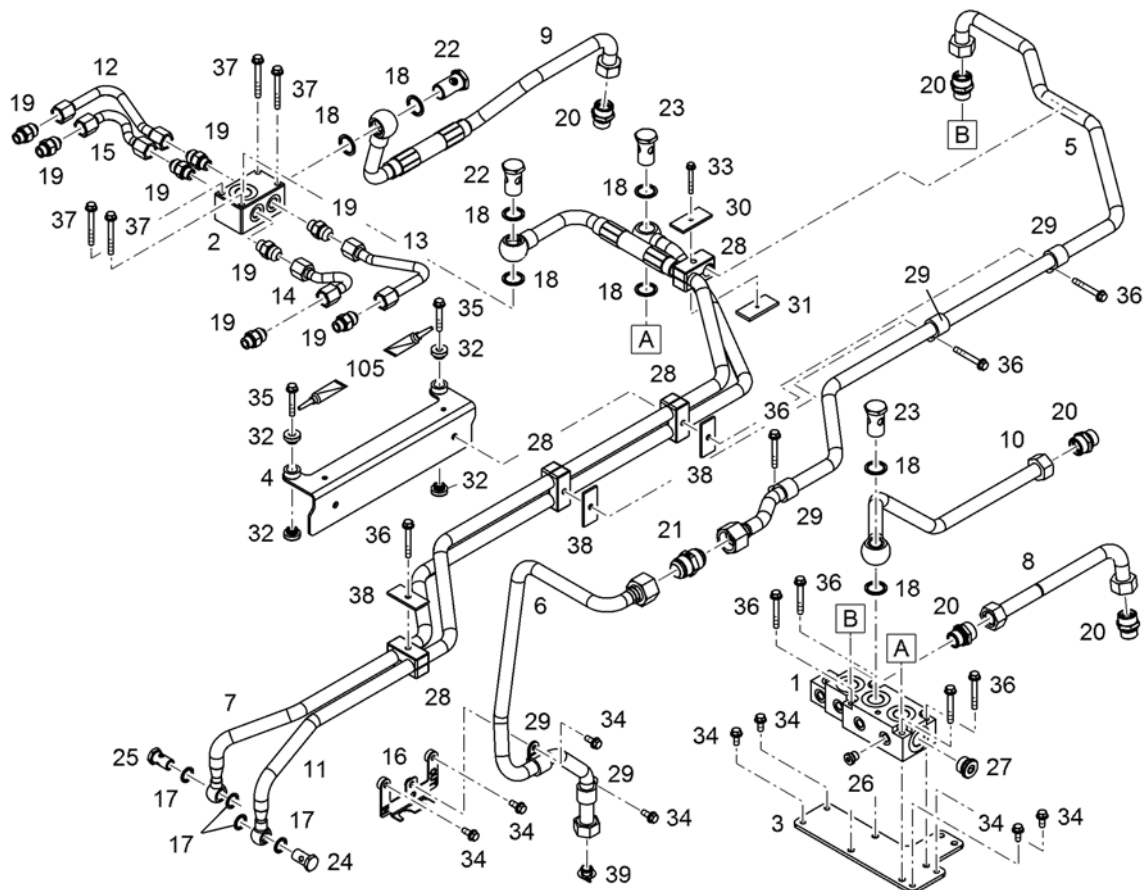
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610603	-	Distributor block	1	UN		
2	230610604	-	Distributor block	1	UN		
3	230610788	-	Console	1	UN		
4	230610784	-	Holder	1	UN		
5	230610792	-	Fuel line	1	UN		
6	230610800	-	Fuel line	1	UN		
7	230610793	-	Fuel line	1	UN		
8	230610800	-	Fuel line	1	UN		
8	230610794	-	Fuel line	1	UN		
9	230612808	-	Fuel line	1	UN		
10	230610795	-	Fuel line	1	UN		
11	230612809	-	Fuel line	1	UN		
12	230610605	-	Fuel line	1	UN		
13	230610606	-	Fuel line	1	UN		
14	230610607	-	Fuel line	1	UN		
15	230610608	-	Fuel line	1	UN		



Fuel lines

230610789

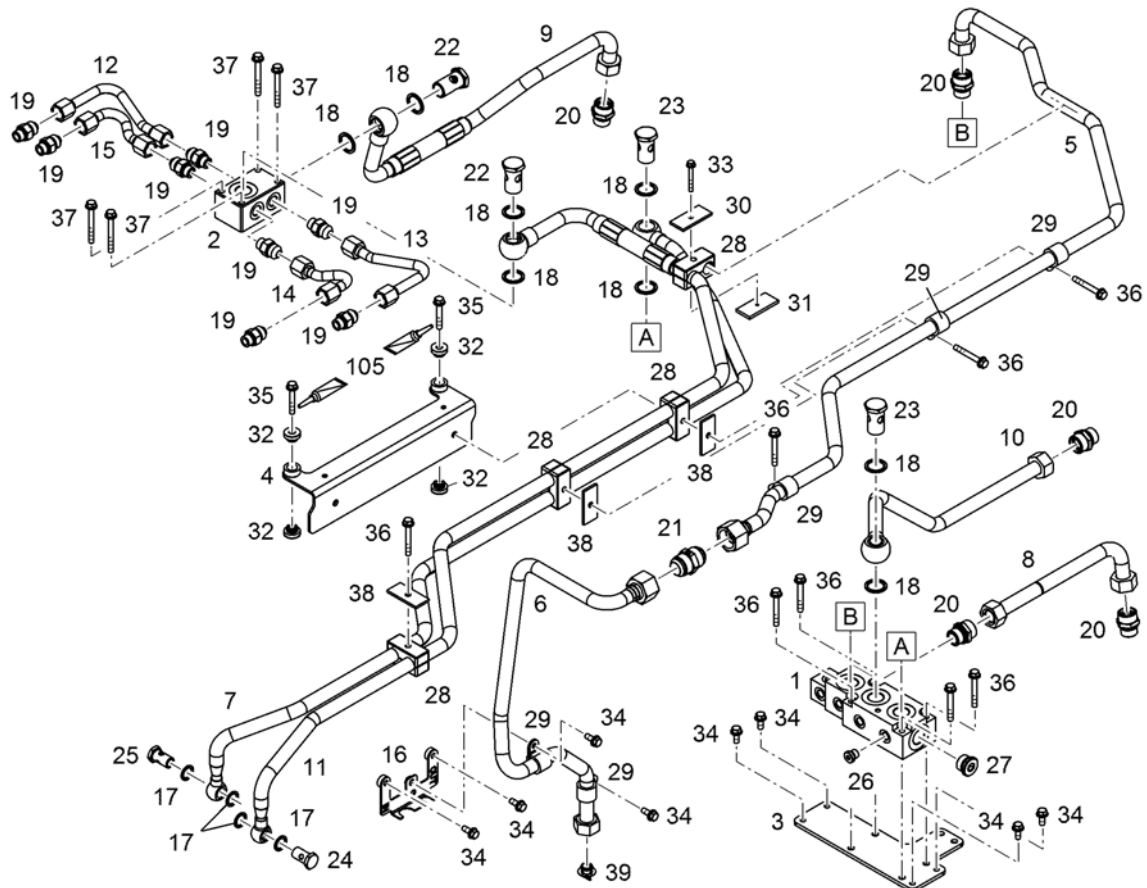
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
16	230610799	-	Plate	1	UN		
17	230610053	-	Sealing ring	4	UN		
18	230610059	-	Sealing ring	8	UN		
19	230610245	-	Flange joint	8	UN		
20	230610931	-	Flange joint	5	UN		
21	230610930	-	Flange joint	1	UN		
22	230612891	-	Hollow screw	2	UN		
23	230610940	-	Hollow screw	2	UN		
24	230612892	-	Hollow screw	1	UN		
25	230610354	-	Hollow screw	1	UN		
26	230610064	-	Screw plug	1	UN		
27	230610066	-	Screw plug	1	UN		
28	230610491	-	Pipe clamp	4	UN		
29	230610425	-	Clamp	5	UN		
30	230610493	-	Support plate	1	UN		
31	230610494	-	Support plate	1	UN		



Fuel lines

230610789

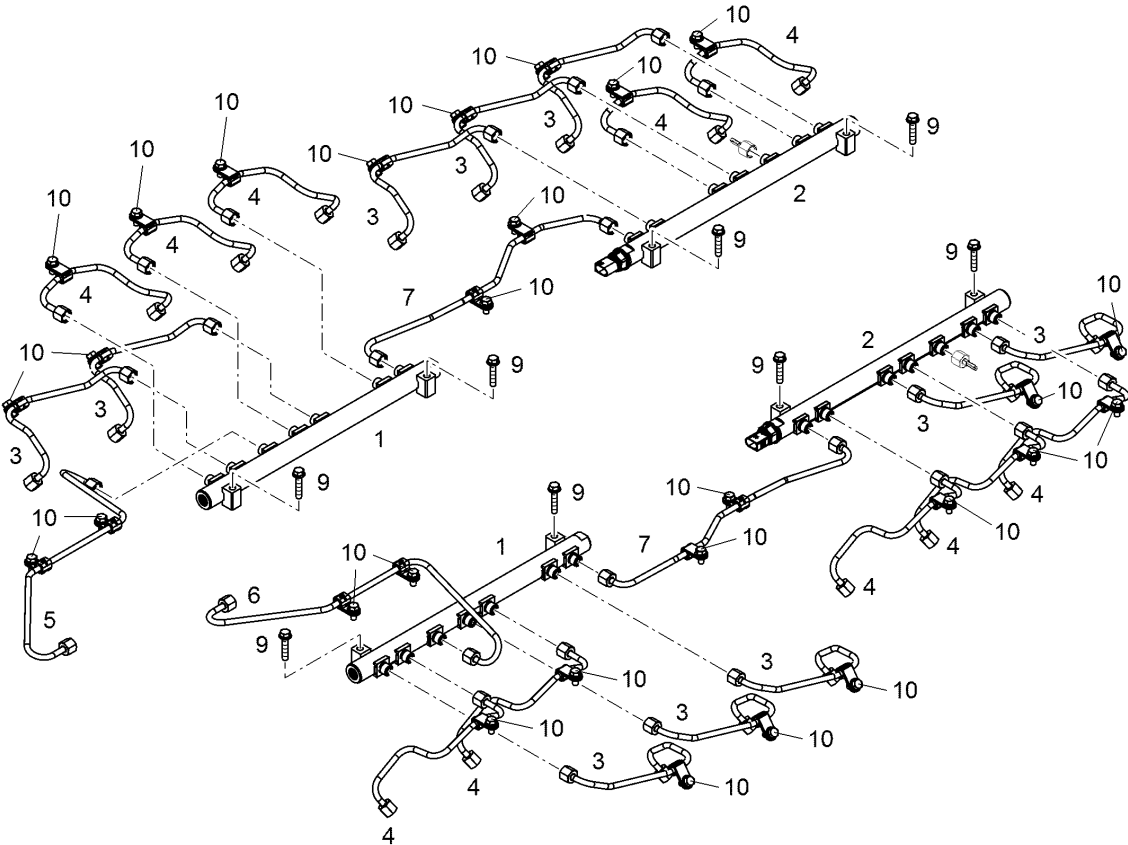
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
32	230610269	-	Rubber buffer	4	UN		
33	230612893	-	Hex screw	1	UN		
34	230611470	-	Hex screw	8	UN		
35	230611490	-	Hex screw	2	UN		
36	230611489	-	Hex screw	7	UN		
37	230612329	-	Hex screw	4	UN		
38	230612439	-	Sheet	3	UN		
39	230612810	-	Blanking plug	1	UN		



High pressure pipe assembly

230610733

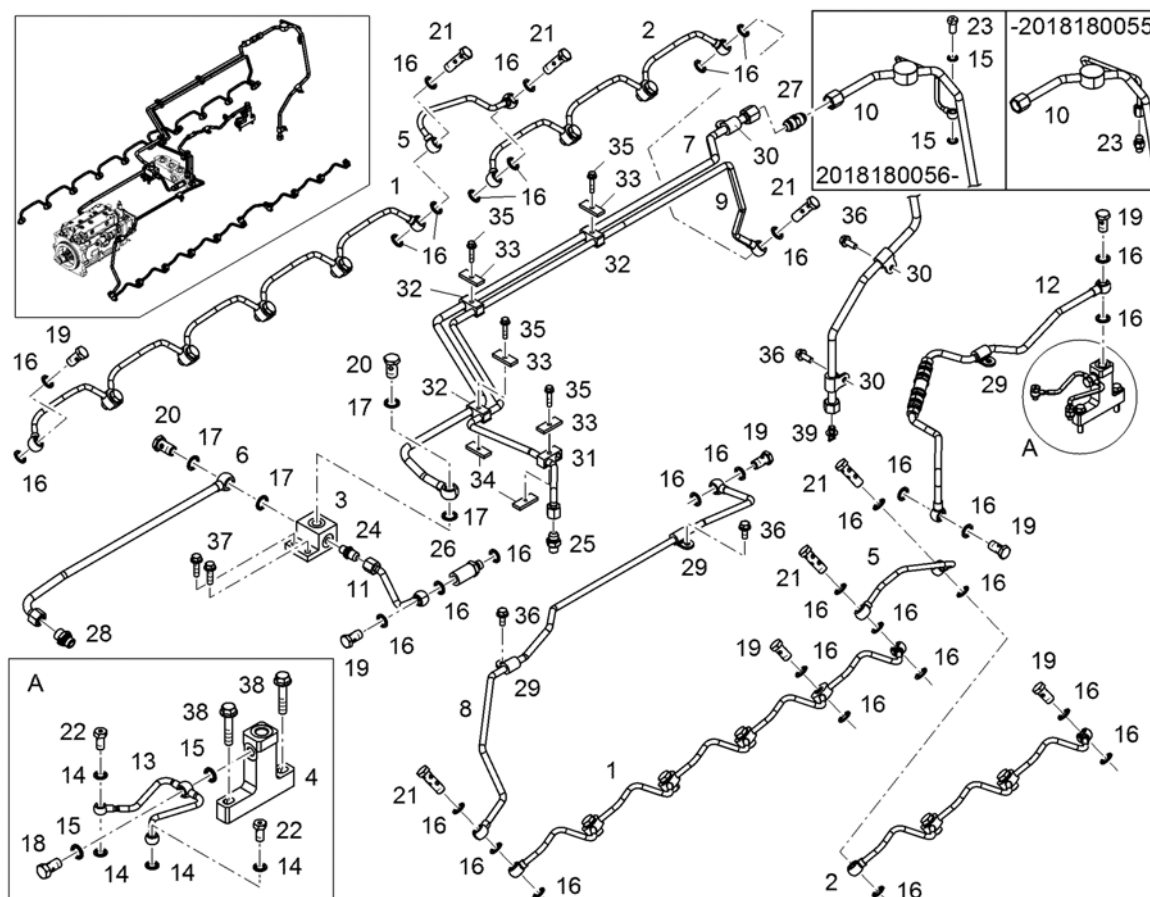
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610902	-	Hight pressure rail	2	UN		
2	230610979	-	Hight pressure rail	2	UN		
3	230610734	-	Injection line	10	UN		
4	230610735	-	Injection line	10	UN		
5	230610736	-	Injection line	1	UN		
6	230610737	-	Injection line	1	UN		
7	230610738	-	Injection line	2	UN		
9	230611473	-	Hex screw	8	UN		
10	230611462	-	Hex screw	28	UN		



Leak oil line add-on

230610801

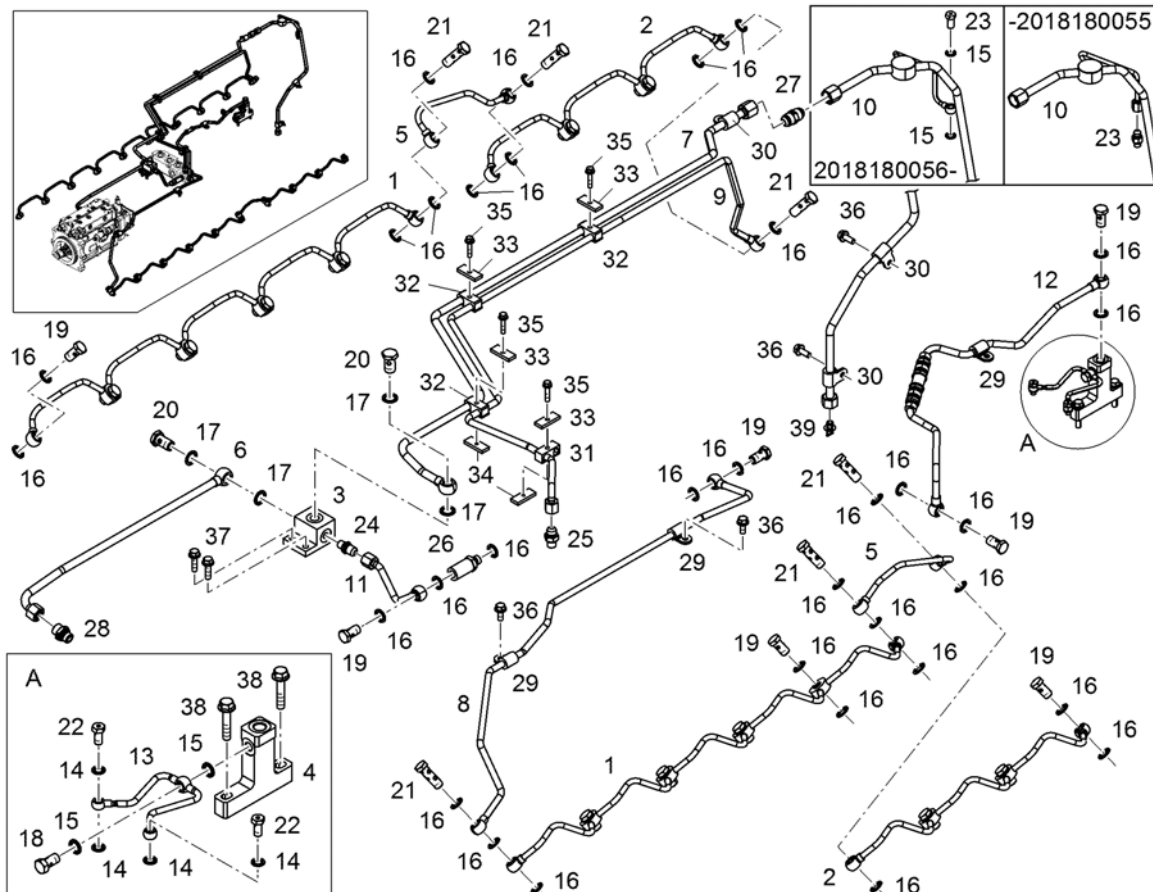
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610120	-	Overflow-oil line	2	UN		
2	230610528	-	Overflow-oil line	2	UN		
3	230610613	-	Distributor block	1	UN		
4	230610614	-	Distributor block	1	UN		
5	230610615	-	Overflow-oil line	2	UN		
6	230610802	-	Overflow-oil line	1	UN		
7	230610803	-	Overflow-oil line	1	UN		
8	230610829	-	Overflow-oil line	1	UN		
9	230610804	-	Overflow-oil line	1	UN		
10	230610805	-	Overflow-oil line	1	UN	04.19.2018	
10	230612811	-	Fuel return pipe	1	UN		
					04.20.2018 ->	->	
11	230610616	-	Overflow-oil line	1	UN		
12	230612812	-	Overflow-oil line	1	UN		
13	230610618	-	Overflow-oil line	1	UN		
14	230610058	-	Sealing ring	4	UN		



Leak oil line add-on

230610801

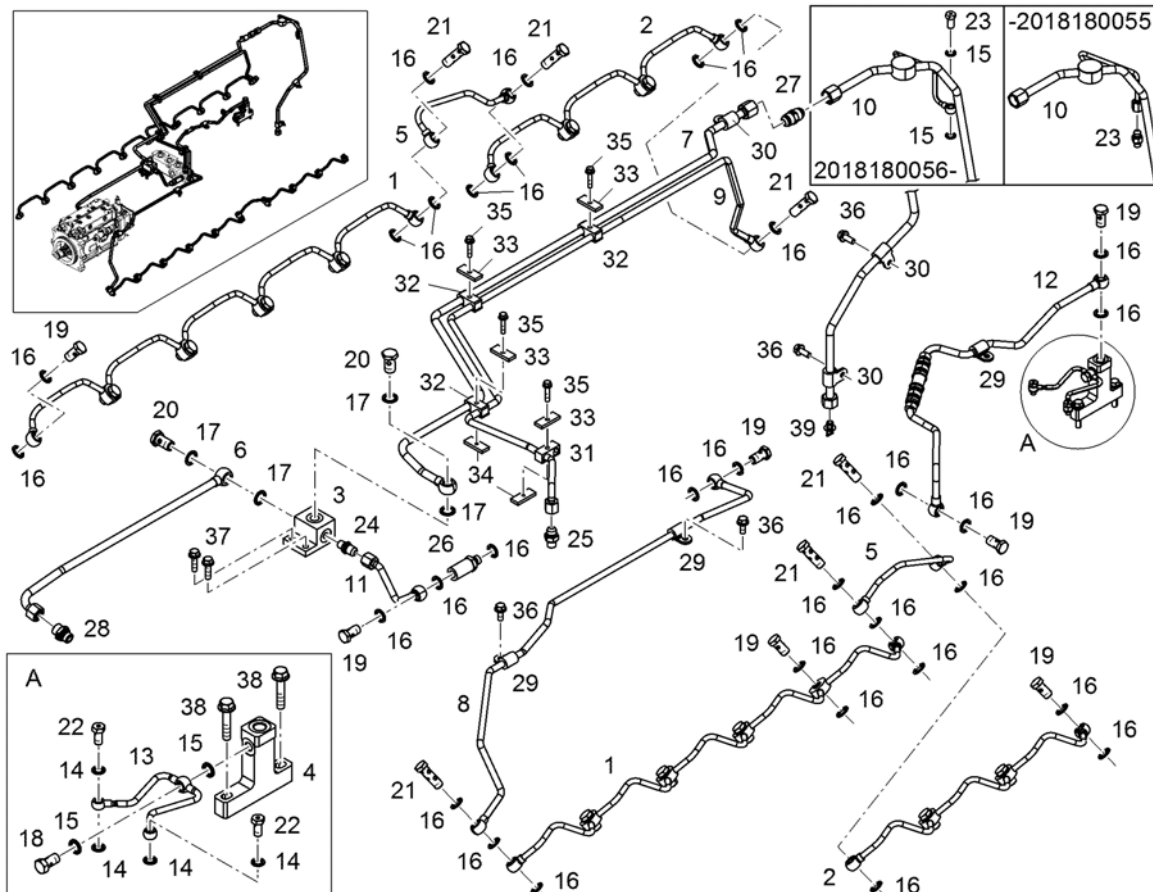
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
15	230610055	-	Sealing ring	2	UN	04.19.2018	
15	230610055	-	Sealing ring	4	UN	04.20.2018 ->	->
16	230610056	-	Sealing ring	55	UN		
17	230610052	-	Sealing ring	4	UN		
18	230612359	-	Hollow screw	1	UN		
19	230612360	-	Hollow screw	18	UN		
20	230612361	-	Hollow screw	2	UN		
21	230612274	-	Double banjo bolt	6	UN		
22	230610357	-	Hollow screw	2	UN		
23	230610242	-	Flange joint	1	UN	04.19.2018	
23	230610356	-	Hollow screw	1	UN	04.20.2018 ->	->
24	230610933	-	Flange joint	1	UN		
25	230610243	-	Flange joint	1	UN		
26	230610222	-	Intermediate part	1	UN		
27	230610932	-	Flange joint	1	UN		



Leak oil line add-on

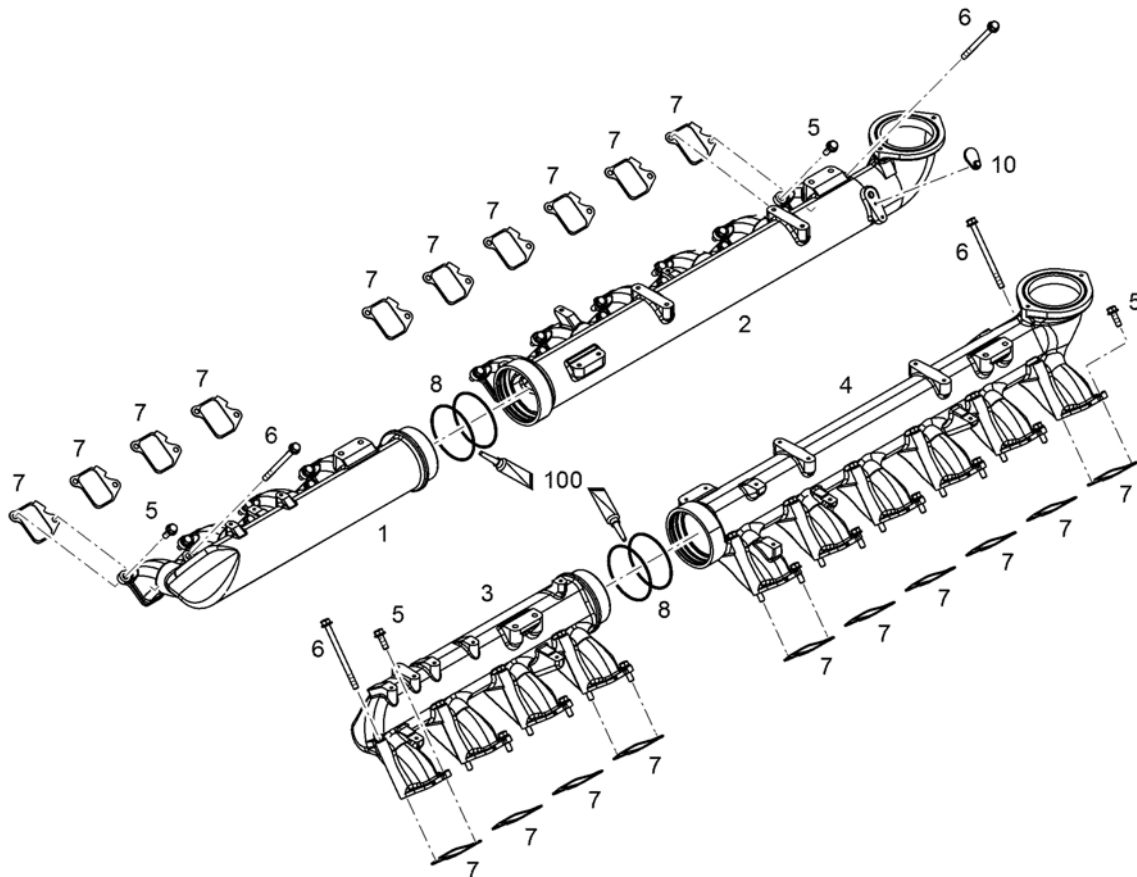
230610801

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
28	230610726	-	Flange joint	1	UN		
29	230610087	-	Clamp	3	UN		
30	230610424	-	Clamp	3	UN		
31	230610429	-	Pipe clamp	1	UN		
32	230610418	-	Pipe clamp	3	UN		
33	230610277	-	Support plate	4	UN		
34	230610278	-	Support plate	2	UN		
35	230611544	-	Hex screw	4	UN		
36	230611470	-	Hex screw	4	UN		
37	230611521	-	Hex screw	2	UN		
38	230611473	-	Hex screw	2	UN		
39	230612813	-	Blanking plug	1	UN		



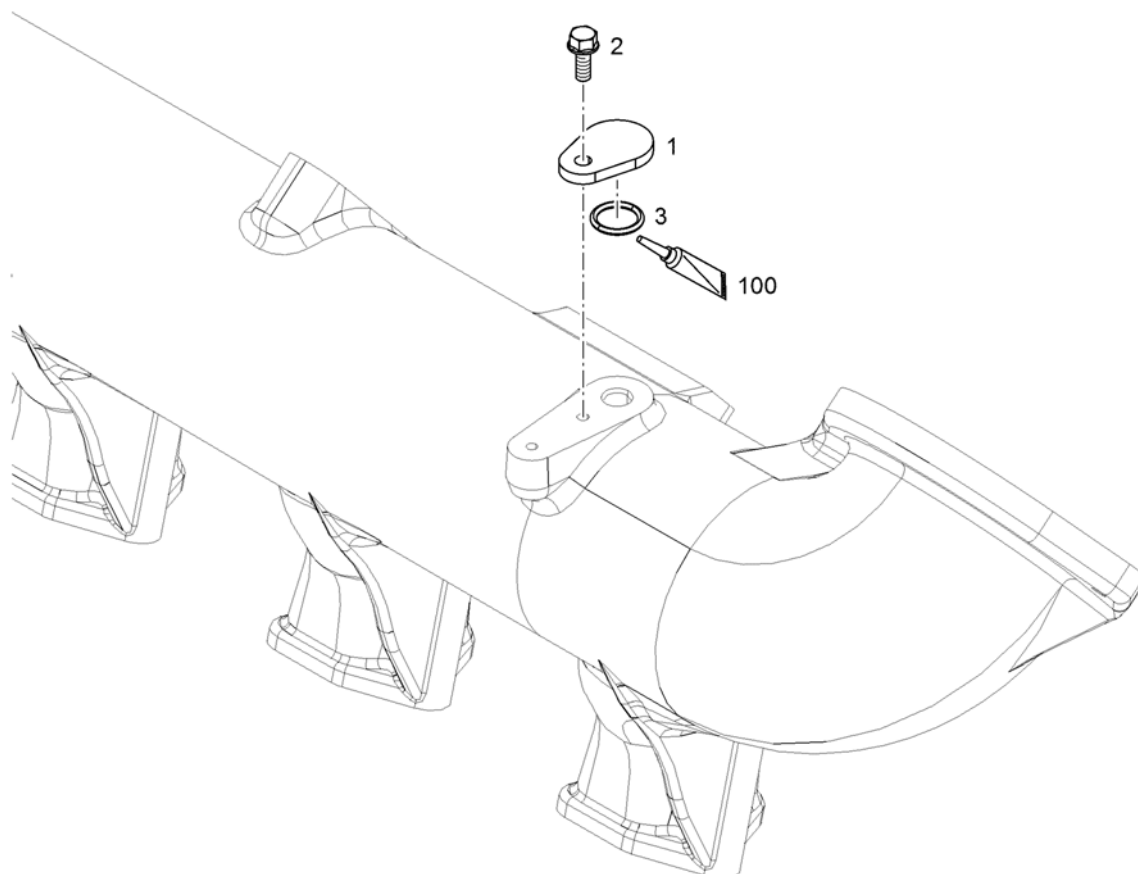
Air intake assembly 230610776

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610906	-	Air intake pipe right	1	UN		
2	230610923	-	Air intake pipe right	1	UN		
3	230610924	-	Air intake pipe left	1	UN		
4	230610922	-	Air intake pipe left	1	UN		
5	230611441	-	Hex screw	20	UN		
6	230612944	-	Hex screw	20	UN		
7	230610186	-	Seal	20	UN		
8	230612945	-	O-ring	4	UN		
10	230611970	-	Fastening device	1	UN		73



Fastening device 230611970

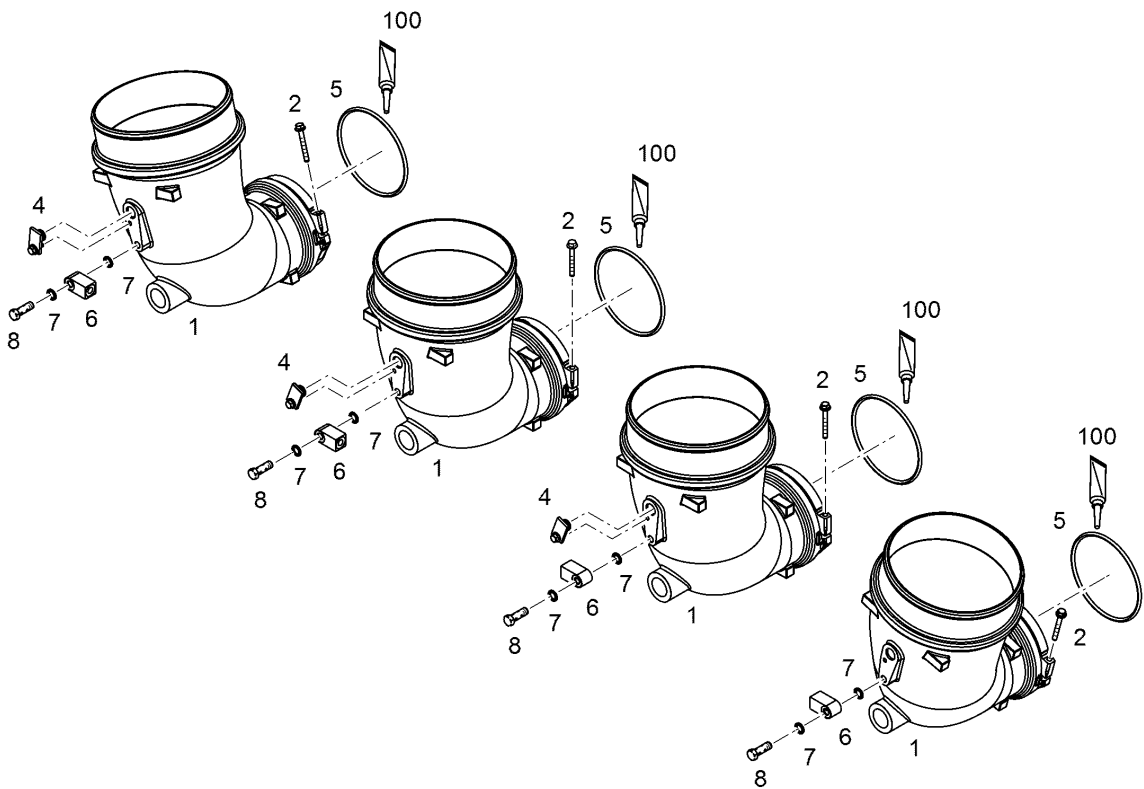
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611996	-	Covering caps - kit	1	UN		
2	230610312	-	Hex screw	1	UN		
3	230611997	-	O-ring	1	UN		



Intake stack assembly

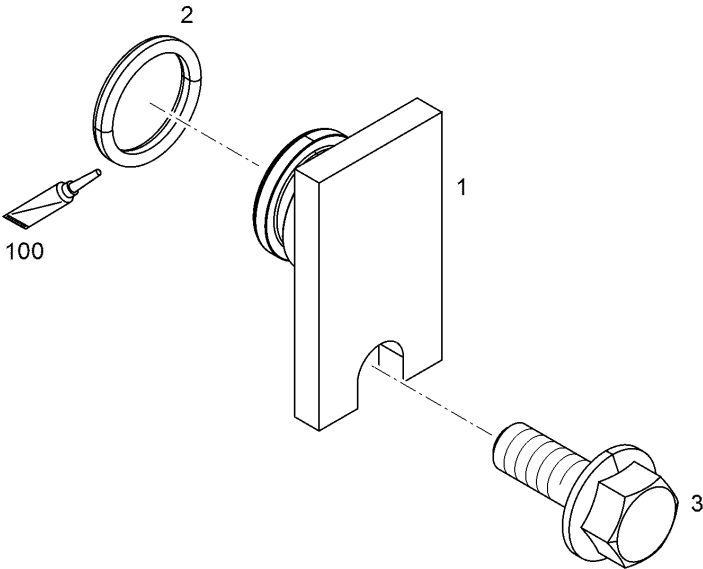
230612376

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610851	-	Intake stack	4	UN		
2	230610320	-	Hex screw	4	UN		
4	230610574	-	Locking pieces	3	UN		75
5	230610209	-	O-ring	4	UN		
6	230612246	-	Connection piece	4	UN		
7	230610055	-	Sealing ring	8	UN		
8	230612277	-	Double banjo bolt	4	UN		



Locking pieces
230610574

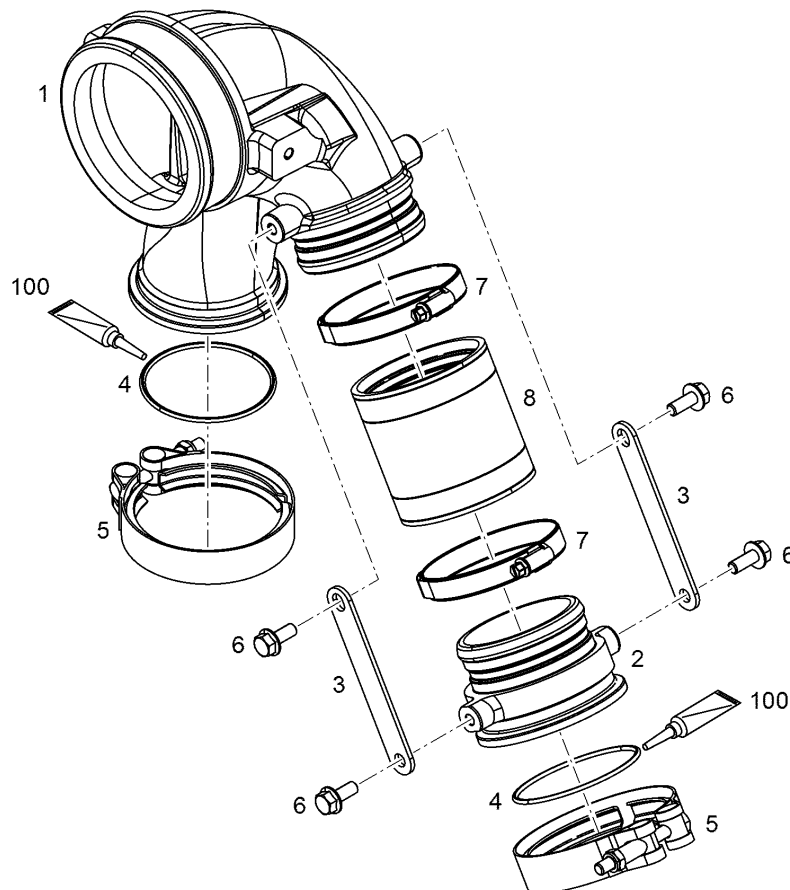
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610151	-	Cover	1	UN		
2	230610199	-	O-ring	1	UN		
3	230612873	-	Hex screw	1	UN		



Charge air line assembly

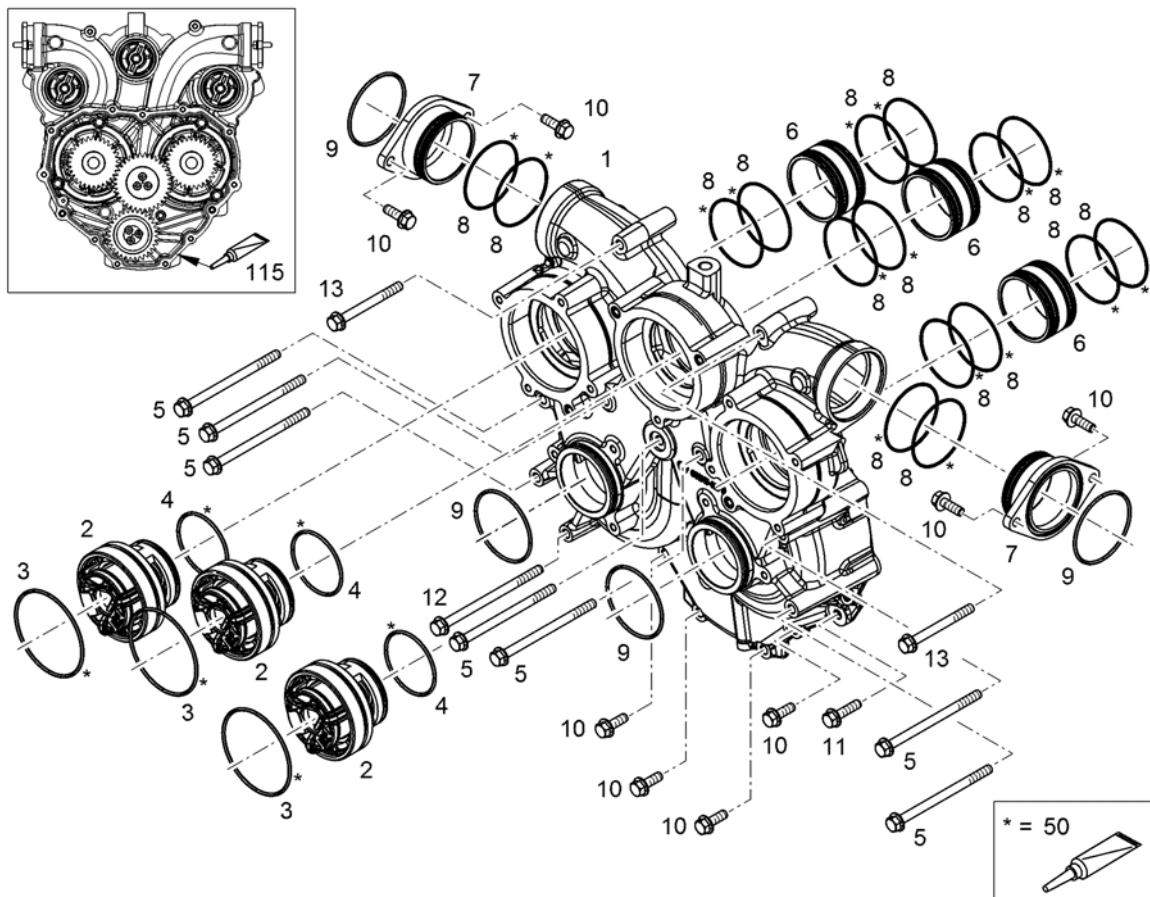
230610601

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610959	-	Charge air pipe	1	UN		
2	230610960	-	Charge air pipe	1	UN		
3	230610961	-	Plate	2	UN		
4	230610202	-	O-ring	2	UN		
5	230610100	-	Retainer clip	2	UN		
6	230611470	-	Hex screw	4	UN		
7	230610099	-	Hose clamp	2	UN		
8	230610217	-	Rubber connection	1	UN		



Water pump with fastening 230610609

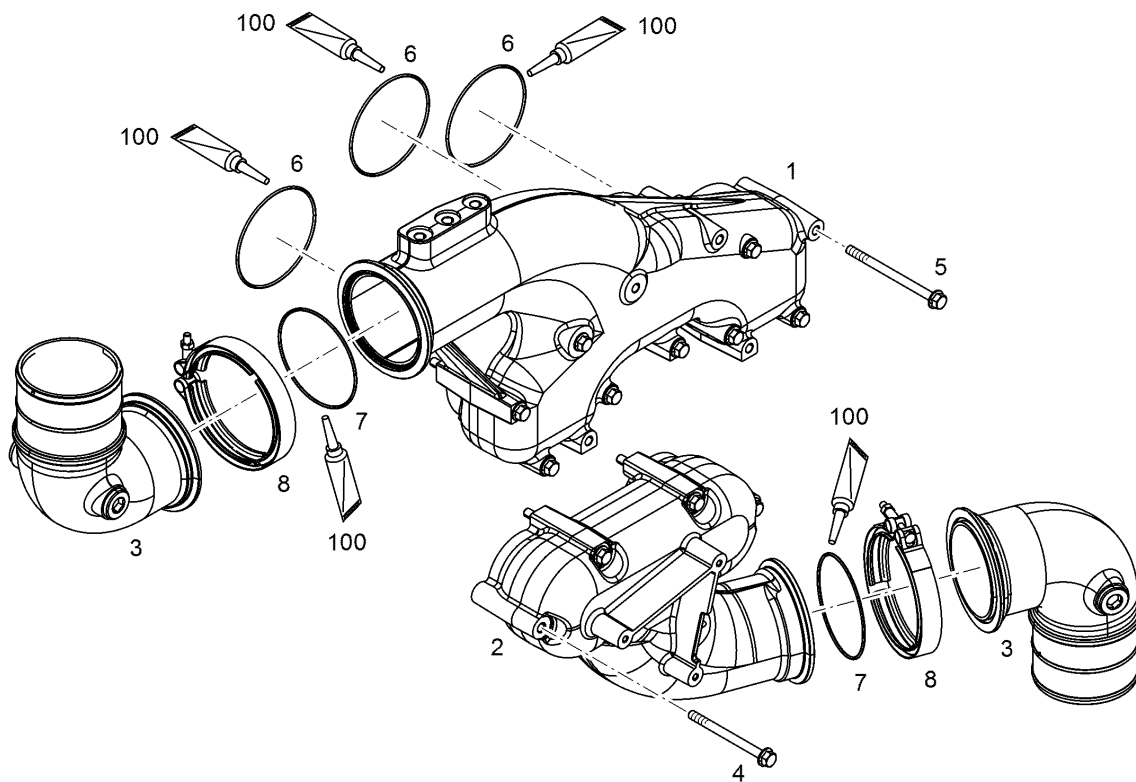
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611009	-	Water pump, pre-assembled	1	UN		
2	230610286	-	Thermostat	3	UN		
3	230610208	-	O-ring	3	UN		
4	230610200	-	O-ring	3	UN		
5	230612882	-	Hex screw	7	UN		
6	230610637	-	Tube	3	UN		
7	230610636	-	Flange	2	UN		
8	230610416	-	O-ring	16	UN		
9	230610420	-	O-ring	4	UN		
10	230610459	-	Hex screw	8	UN		
11	230612883	-	Hex screw	1	UN		
12	230612884	-	Hex screw	1	UN		
13	230611494	-	Screw	2	UN		



Thermostat housing assembly

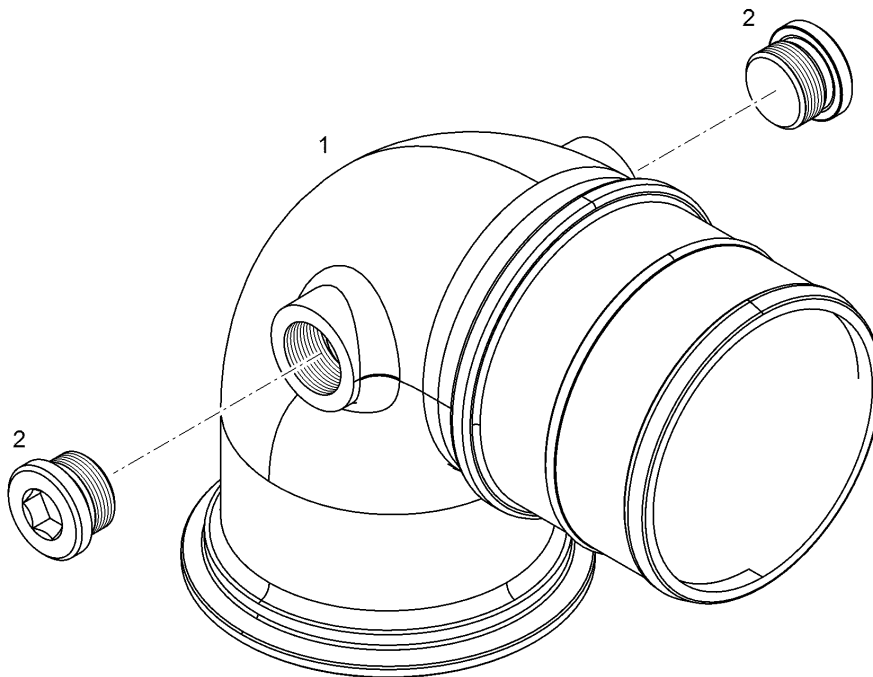
230610756

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610977	-	Coolant pipe bend	1	UN		
2	230610976	-	Coolant pipe bend	1	UN		
3	230610903	-	Connection f.water pipe	2	UN		79
4	230612890	-	Hex screw	6	UN		
5	230612321	-	Hex screw	9	UN		
6	230610407	-	O-ring	3	UN		
7	230610408	-	O-ring	2	UN		
8	230610541	-	Retainer clip	2	UN		



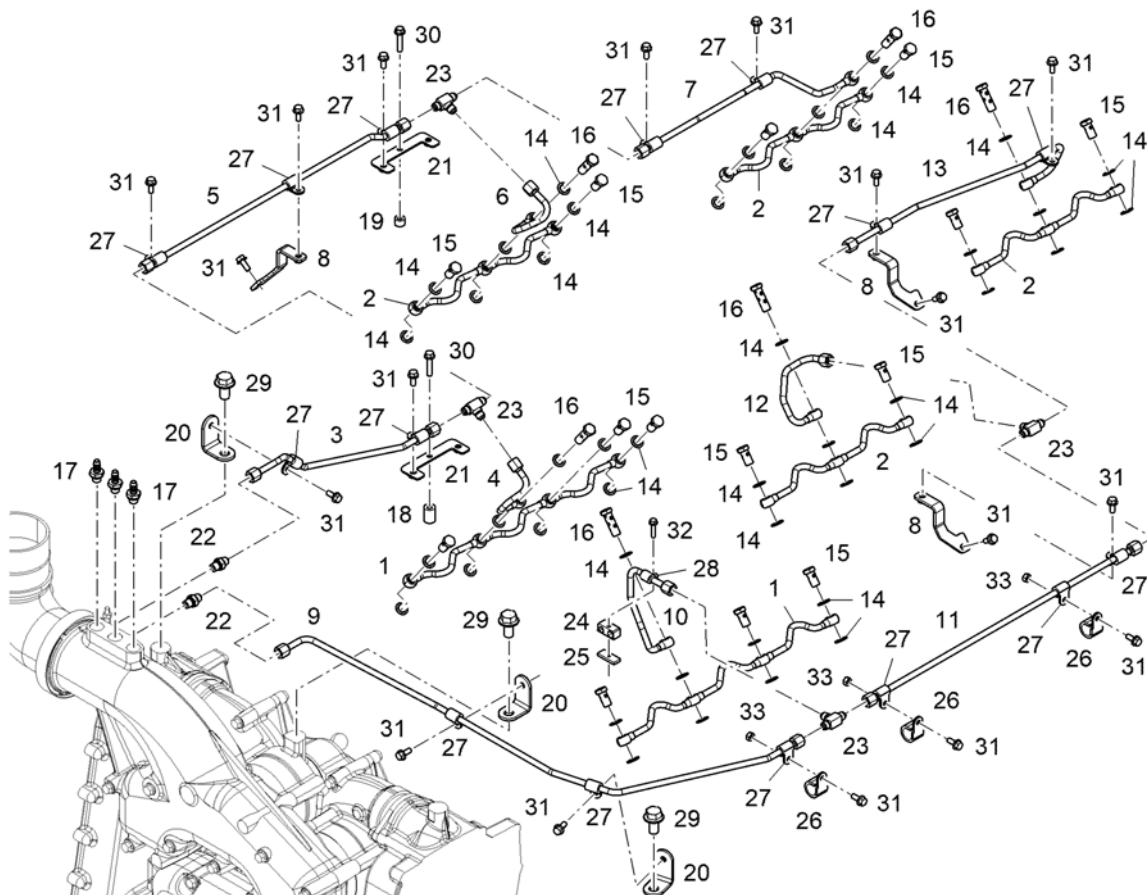
Connection f.water pipe
230610903

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610896	-	Connecting elbow	1	UN		
2	230610071	-	Screw plug	2	UN		



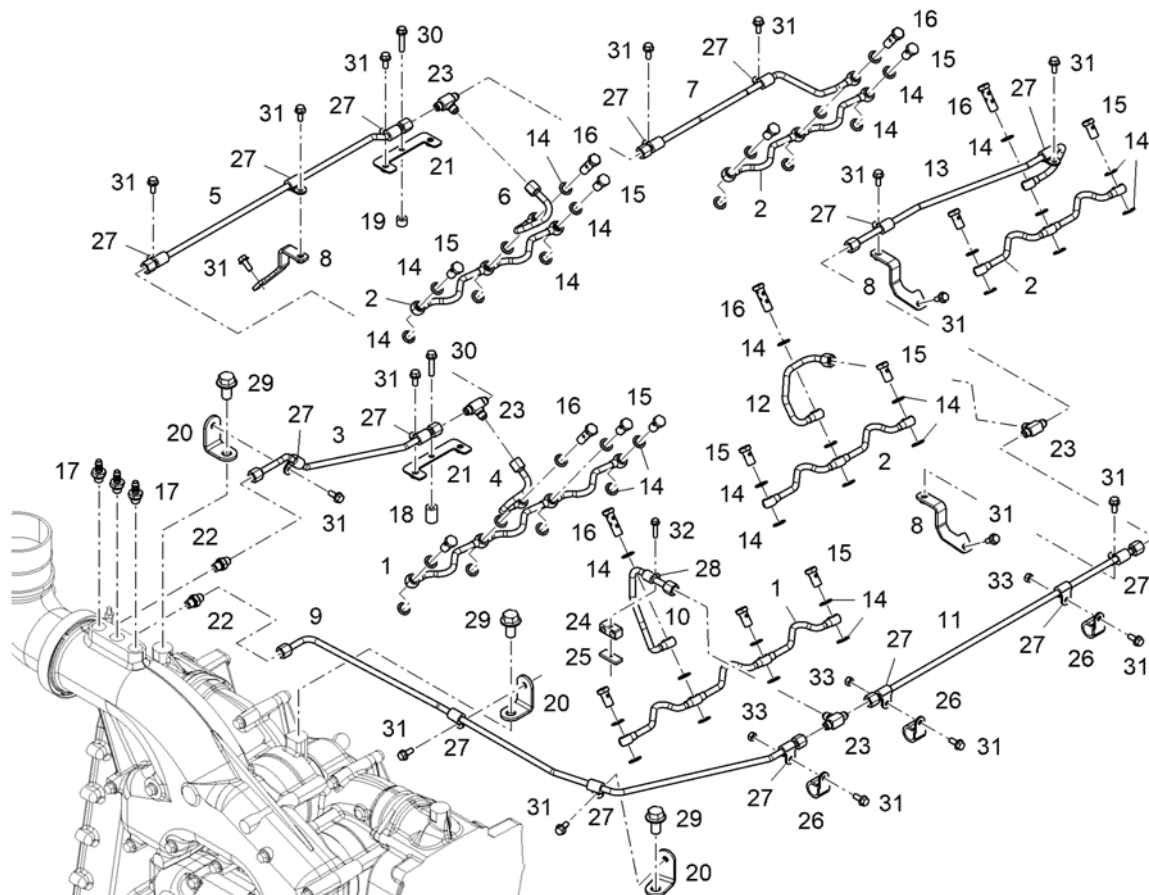
Vent tube assembly 230612972

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610501	-	Ventilation line	2	UN		
2	230610130	-	Ventilation line	4	UN		
3	230612974	-	Ventilation line	1	UN		
4	230612975	-	Ventilation line	1	UN		
5	230612976	-	Ventilation line	1	UN		
6	230612977	-	Ventilation line	1	UN		
7	230612978	-	Ventilation line	1	UN		
8	230612979	-	Holder	3	UN		
9	230612980	-	Ventilation line	1	UN		
10	230612981	-	Ventilation line	1	UN		
11	230612982	-	Ventilation line	1	UN		
12	230612983	-	Ventilation line	1	UN		
13	230612984	-	Ventilation line	1	UN		
14	230610056	-	Sealing ring	49	UN		
15	230612360	-	Hollow screw	14	UN		
16	230612274	-	Double banjo bolt	6	UN		



Vent tube assembly 230612972

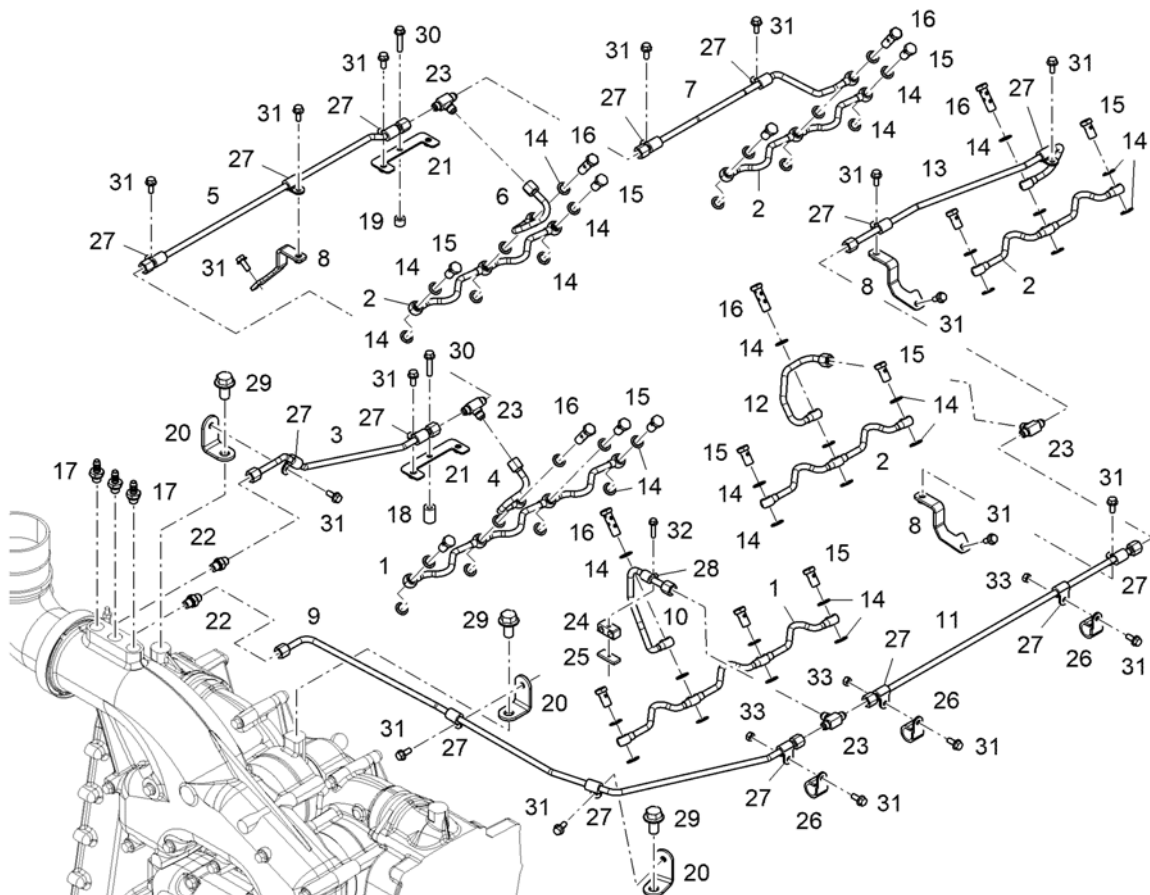
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
17	230610437	-	Hose nipple	3	UN		
18	230610503	-	Distance sleeve	1	UN		
19	230612963	-	Distance sleeve	1	UN		
20	230610999	-	Holder	3	UN		
21	230612961	-	Holder	2	UN		
22	230610243	-	Flange joint	2	UN		
23	230610248	-	Flange joint	4	UN		
24	230610418	-	Pipe clamp	1	UN		
25	230610278	-	Support plate	1	UN		
26	230610425	-	Clamp	3	UN		
27	230610087	-	Clamp	15	UN		
28	230610086	-	Clamp	1	UN		
29	230612939	-	Hex screw	3	UN		
30	230611473	-	Hex screw	2	UN		
31	230611470	-	Hex screw	18	UN		
32	230611544	-	Hex screw	1	UN		



Vent tube assembly

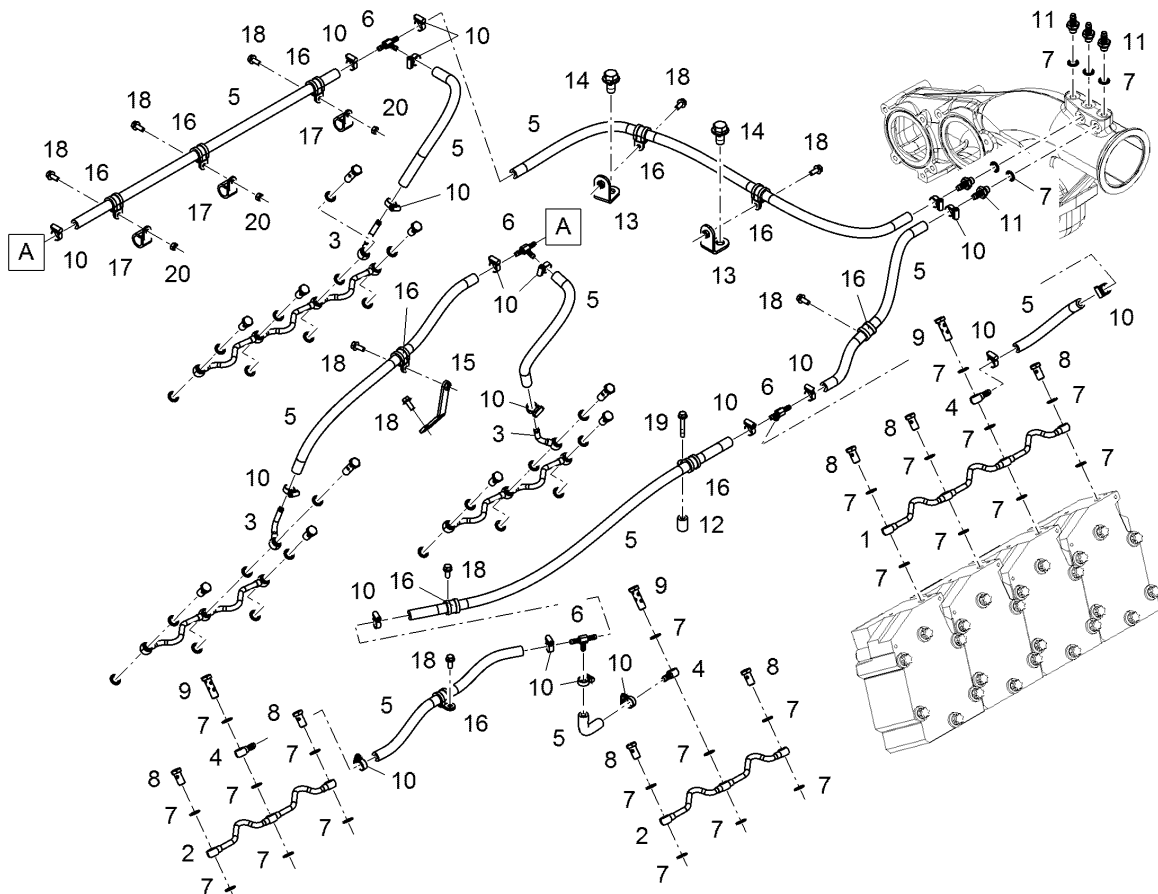
230612972

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
33	230612312	-	Hex nut	3	UN		



Vent tube assembly 230610897

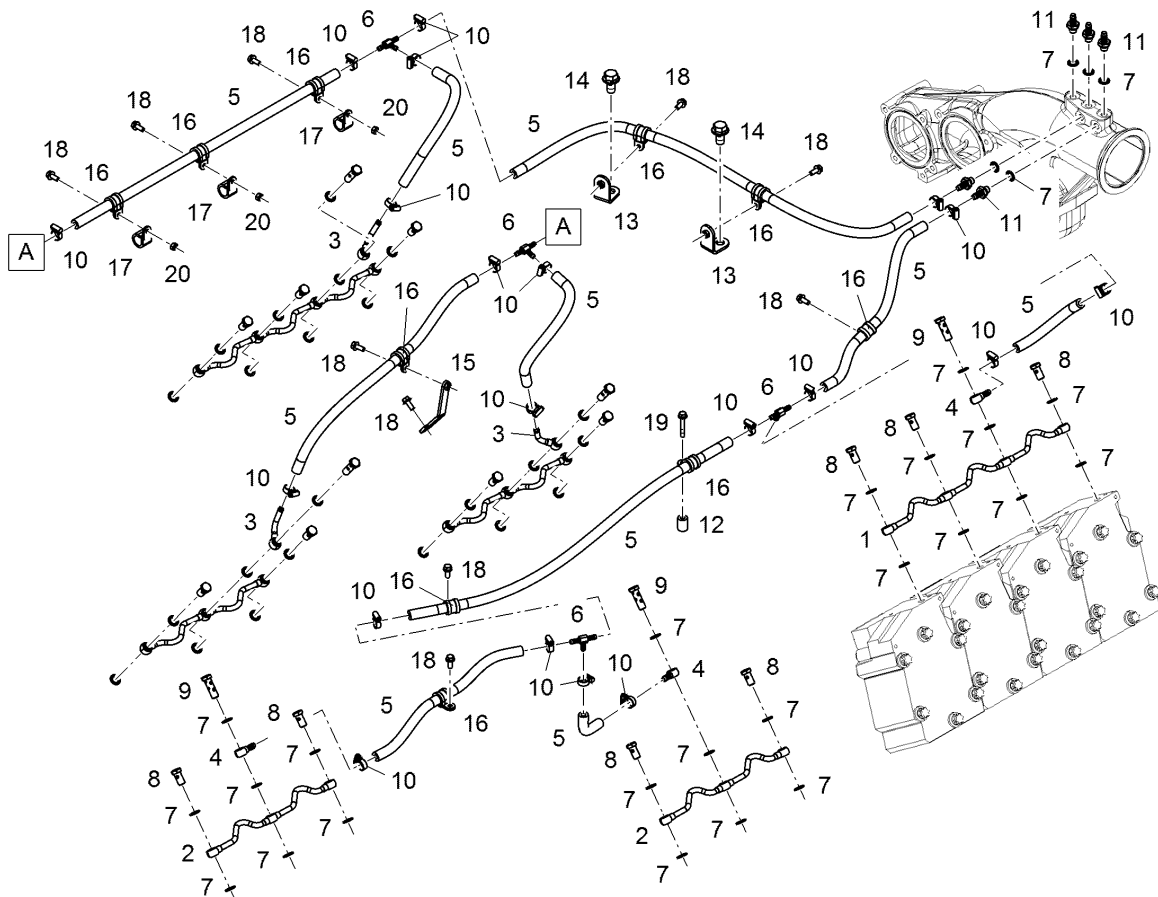
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610501	-	Ventilation line	2	UN		
2	230610130	-	Ventilation line	4	UN		
3	230610741	-	Pipeline	3	UN		
4	230610421	-	Fittings	3	UN		
5	230610927	-	Hose	5.196	UN		
6	230610985	-	Hose nipple	4	UN		
7	230610056	-	Sealing ring	51	UN		
8	230612360	-	Hollow screw	14	UN		
9	230612274	-	Double banjo bolt	6	UN		
10	230610389	-	Hose clamp	20	UN		
11	230610437	-	Hose nipple	5	UN		
12	230610503	-	Distance sleeve	1	UN		
13	230610999	-	Holder	2	UN		
14	230612939	-	Hex screw	2	UN		
15	230611000	-	Holder	2	UN		
16	230610410	-	Clamp	11	UN		



Vent tube assembly

230610897

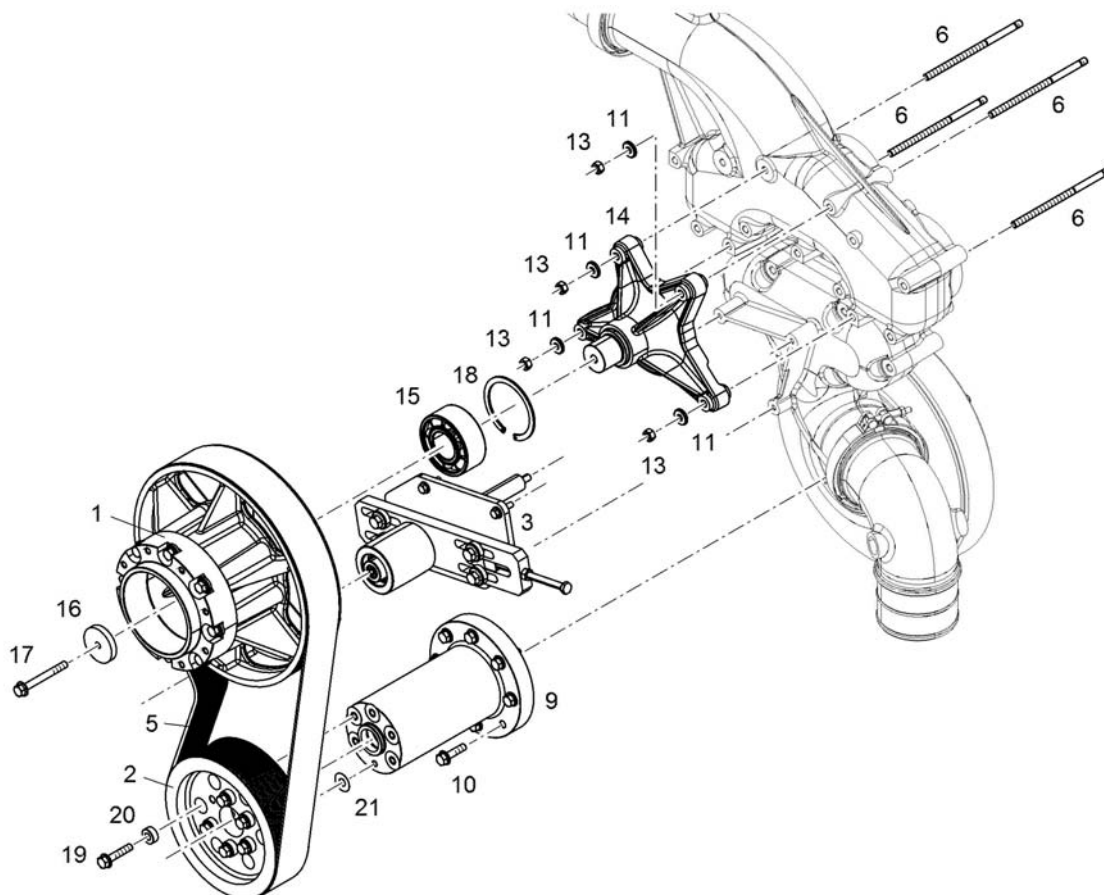
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
17	230610425	-	Clamp	3	UN		
18	230611470	-	Hex screw	12	UN		
19	230611490	-	Hex screw	1	UN		
20	230612312	-	Hex nut	3	UN		



Fan drive assembly

230610867

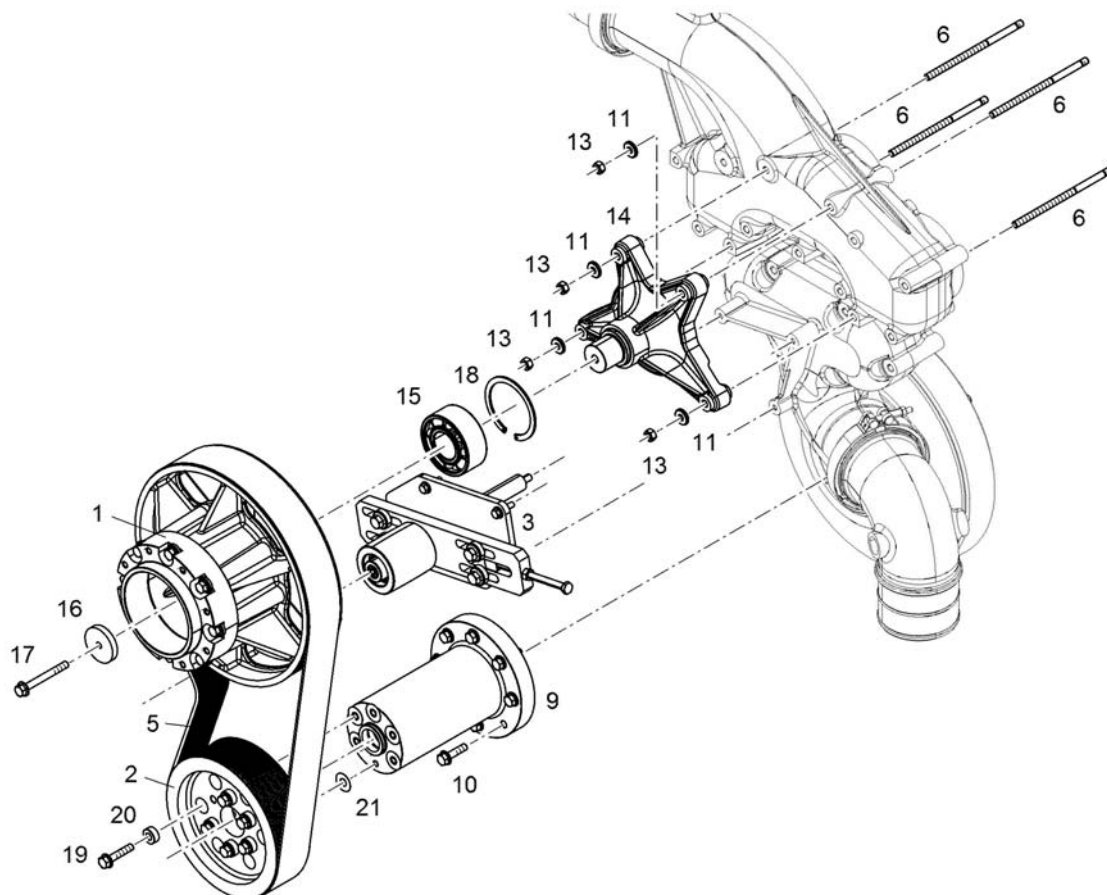
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610998	-	V-belt pulley pre-ass.	1	UN		
2	230610866	-	Belt pulley	1	UN		
3	230610972	-	Tightening roller	1	UN		87
5	230610865	-	V-ripped belt	1	UN		
6	230610951	-	Double-ended stud	4	UN		
9	230610980	-	Spacer piece	1	UN		
10	230612883	-	Hex screw	14	UN	07.03.2018	
10	230612883	-	Hex screw	8	UN	07.04.2018 ->	->
11	230611949	-	Washer	4	UN		
13	230611118	-	Hex nut	4	UN		
14	230611974	-	Axis	1	UN		
15	230610860	-	Steep-angle bearing	1	UN		
16	230610553	-	Washer	1	UN		
17	230612889	-	Hex screw	1	UN		
18	230610382	-	Locking ring	1	UN		



Fan drive assembly

230610867

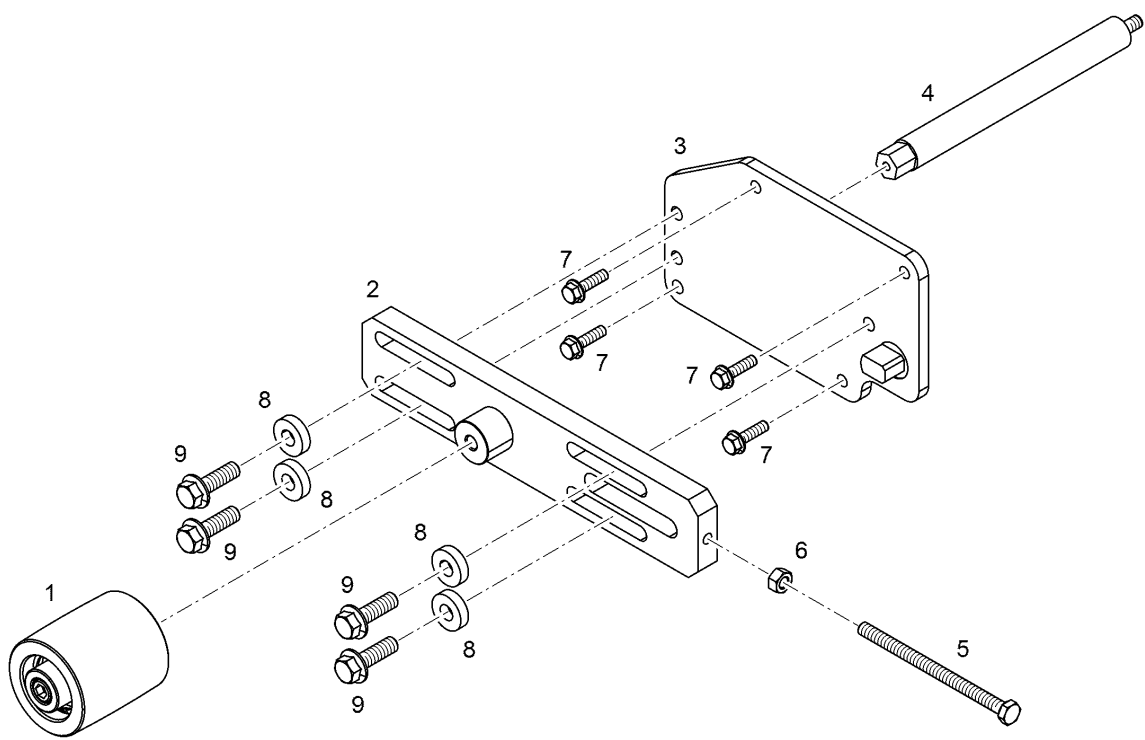
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
19	230612919	-	Hex screw	6	UN 07.04.2018 ->	->	
20	230612833	-	Brace	6	UN 07.04.2018 ->	->	
21	230610911	-	Intermediate part	6	UN 07.04.2018 ->	->	



Tightening roller

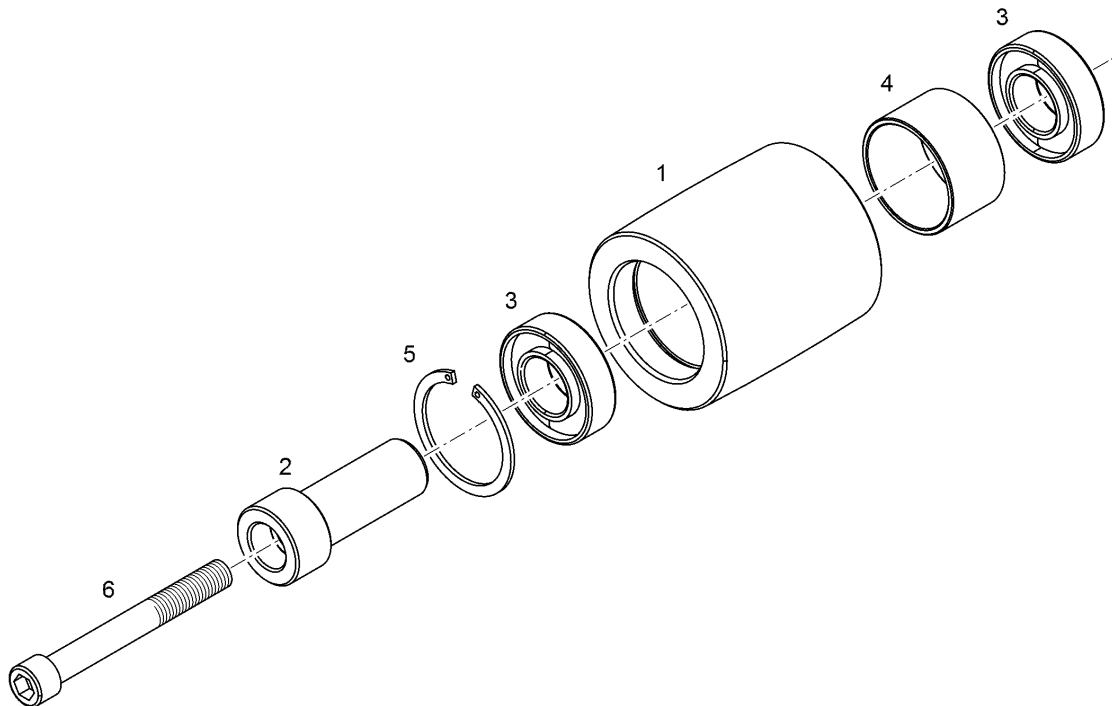
230610972

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610975	-	Guide pulley compl.	1	UN		88
2	230610973	-	Holder	1	UN		
3	230610974	-	Holder	1	UN		
4	230610971	-	Spacer piece	1	UN		
5	230612821	-	Hex screw	1	UN		
6	230611118	-	Hex nut	1	UN		
7	230610322	-	Hex screw	4	UN		
8	230610432	-	Distance sleeve	4	UN		
9	230612455	-	Hex screw	4	UN		



Guide pulley compl. 230610975

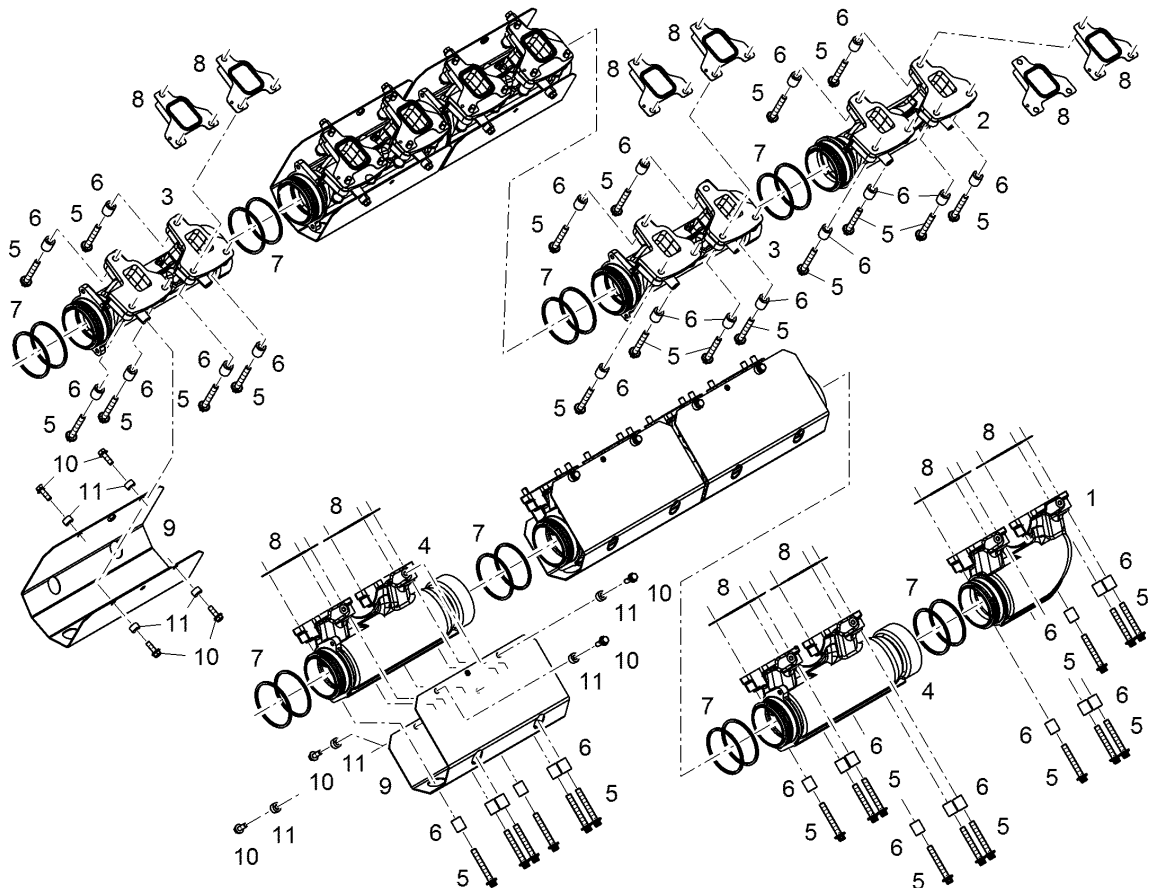
Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230611979	-	Pulley	1	UN		
2	230611980	-	Bushing	1	UN		
3	230611981	-	Bearing	2	UN		
4	230611982	-	Brace	1	UN		
5	230611983	-	Snap ring	1	UN		
6	230612441	-	Socket head screw	1	UN		



Exhaust pipe assembly

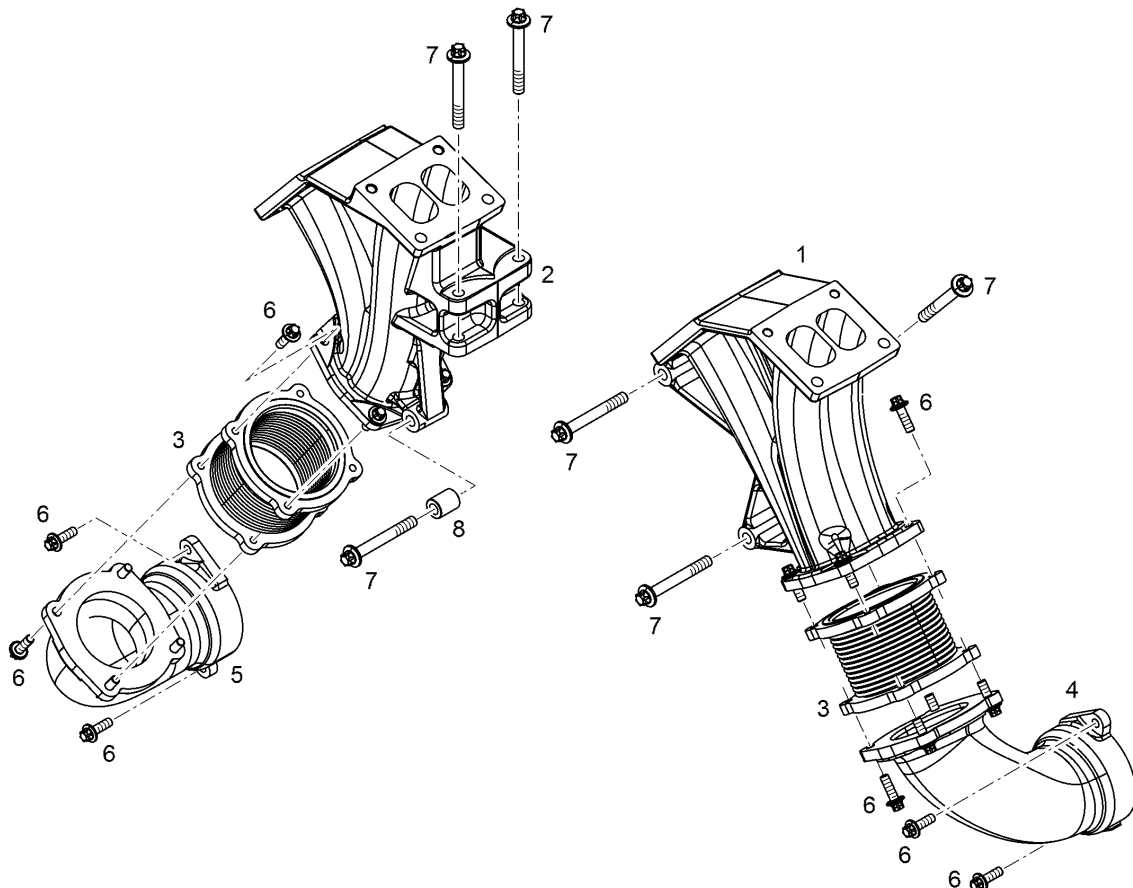
230610596

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610993	-	Exhaust pipe	1	UN		
2	230610995	-	Exhaust pipe	1	UN		
3	230610994	-	Exhaust pipe	4	UN		
4	230610992	-	Exhaust pipe	4	UN		
5	230610350	-	Hexalobular head screw	60	UN		
6	230610539	-	Distance sleeve	60	UN		
7	230610597	-	Lamellar disk kit	40	UN		
8	230610189	-	Seal	20	UN		
9	230610610	-	Heat protection sheet	7	UN		
10	230610342	-	Hex screw	28	UN		
11	230610443	-	Distance sleeve	28	UN		



Outlet manifold add-on 230610730

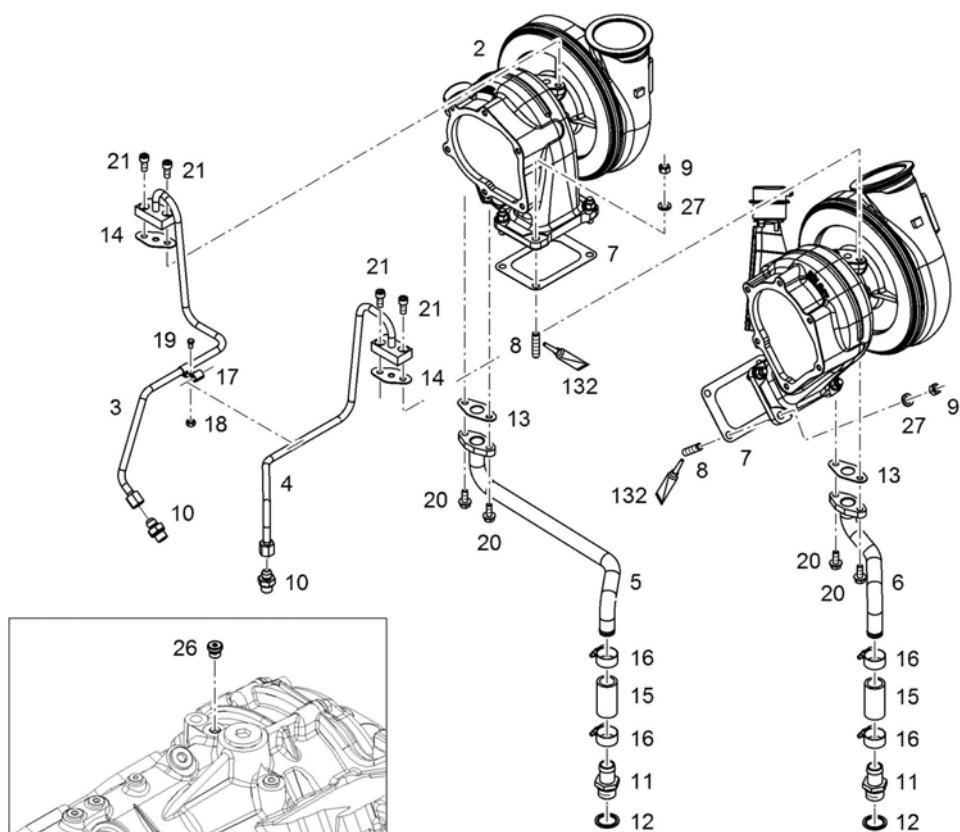
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612829	-	Exhaust nozzle	1	UN		
2	230612830	-	Exhaust nozzle	1	UN		
3	230610598	-	Compensator	2	UN		
4	230612819	-	Outlet manifold	1	UN		
5	230612820	-	Outlet manifold	1	UN		
6	230610496	-	Hexalobular head screw	20	UN		
7	230610540	-	Hexalobular head screw	6	UN		
8	230610535	-	Distance sleeve	1	UN		



Exhaust tc mounting

230610868

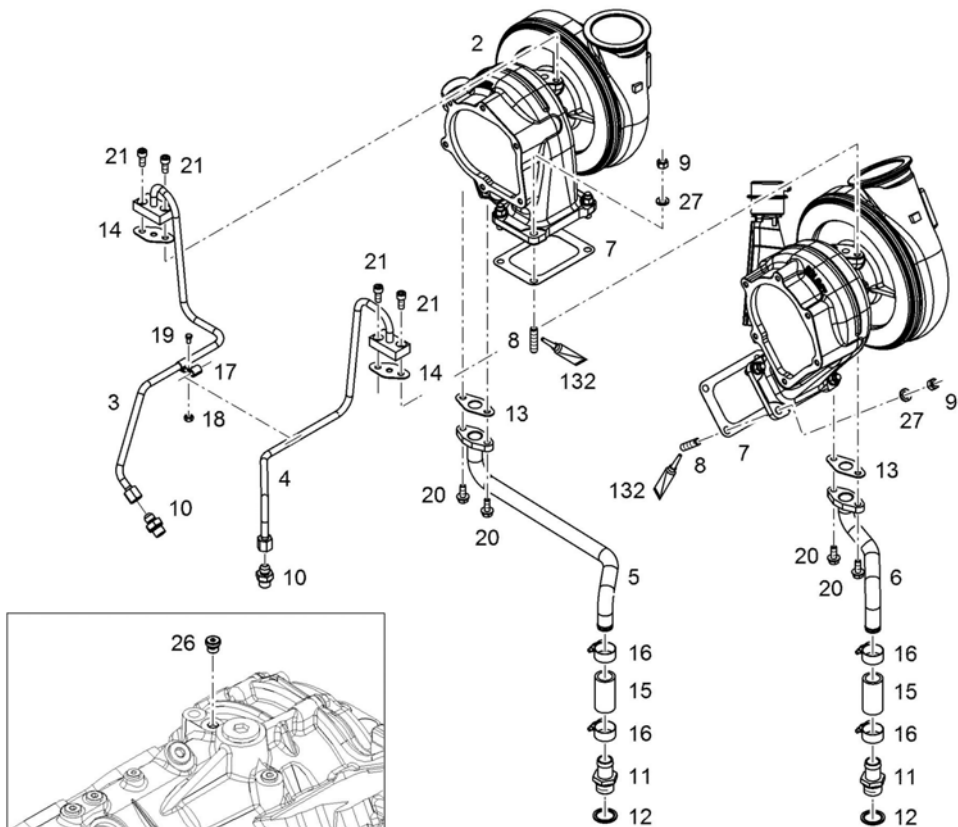
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610990	-	Exhaust gas turbocharger	1	UN		
2	230610991	-	Exhaust gas turbocharger	1	UN		
3	230610620	-	Lubricating oil line	1	UN		
4	230610621	-	Lubricating oil line	1	UN		
5	230610748	-	Oil return pipe	1	UN		
6	230610747	-	Oil return pipe	1	UN		
7	230610193	-	Seal	2	UN		
8	230610180	-	Double-ended stud	8	UN		
9	230610163	-	Nut	8	UN		
10	230610721	-	Flange joint	2	UN		
11	230610253	-	Hose nipple	2	UN		
12	230610059	-	Sealing ring	2	UN		
13	230610448	-	Seal	2	UN		
14	230610447	-	Seal	2	UN		
15	230611926	-	Rubber sleeve	2	UN		
16	230610385	-	Hose clamp	4	UN		



Exhaust tc mounting

230610868

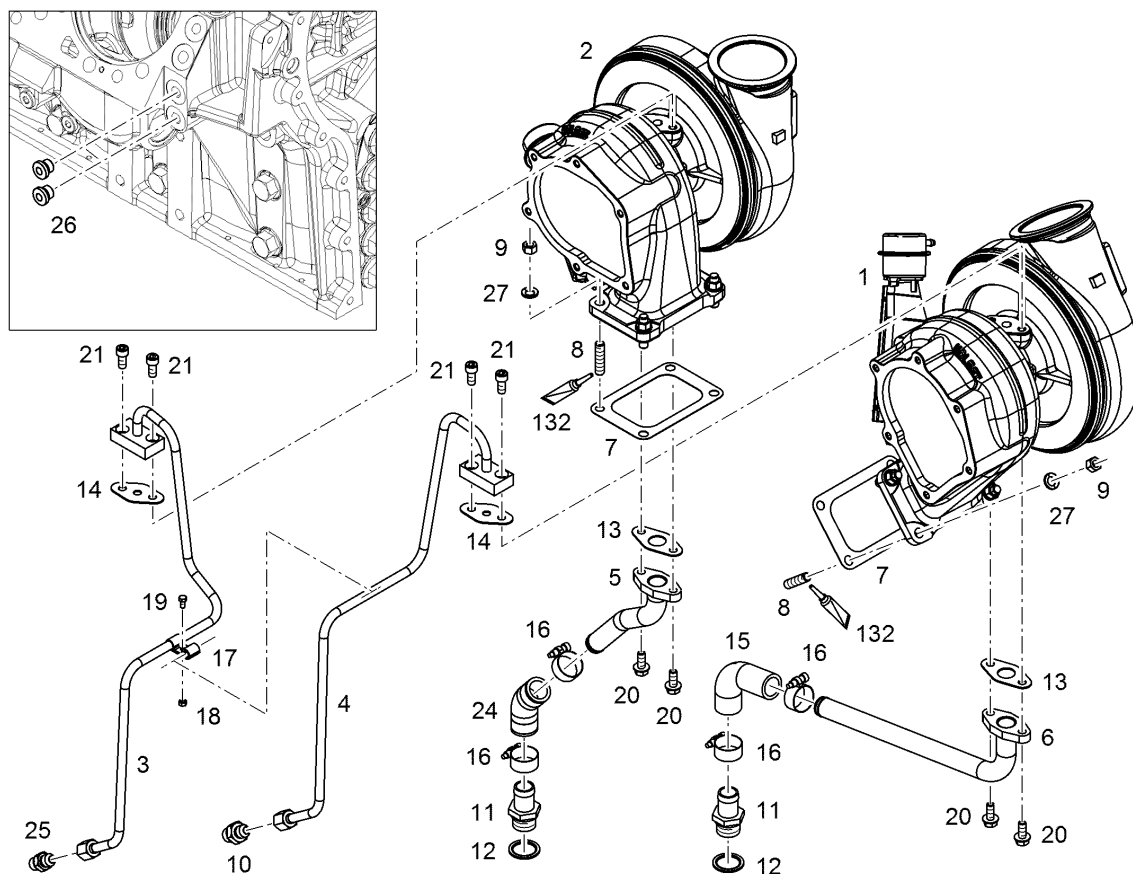
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
17	230610366	-	Pipe clamp	1	UN		
18	230611975	-	Nut	1	UN		
19	230612337	-	Hex screw	1	UN		
20	230610318	-	Hex screw	4	UN		
21	230610392	-	Socket head screw	4	UN		
26	230610064	-	Screw plug	1	UN		
27	230610263	-	Washer	8	UN		



Exhaust tc mounting

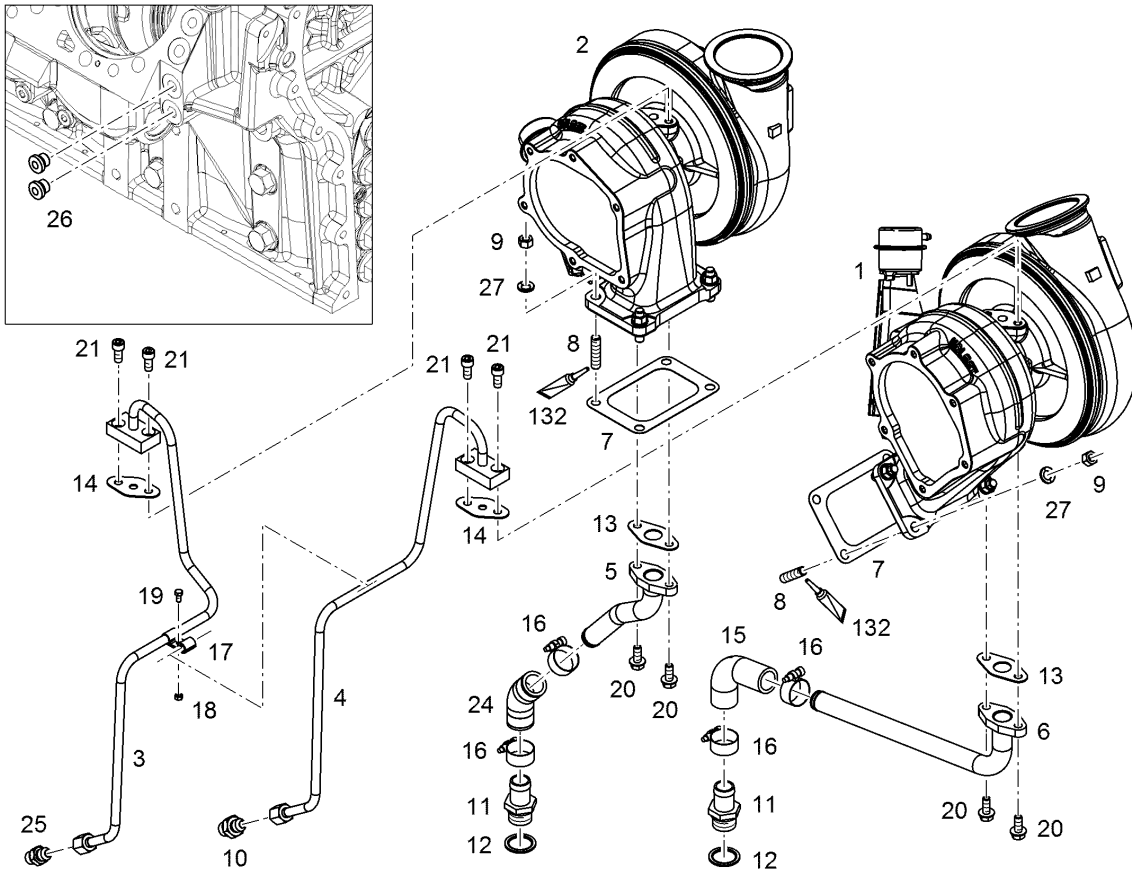
230610869

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610990	-	Exhaust gas turbocharger	1	UN		
2	230610991	-	Exhaust gas turbocharger	1	UN		
3	230610778	-	Lubricating oil line	1	UN		
4	230610622	-	Lubricating oil line	1	UN		
5	230610749	-	Oil return pipe	1	UN		
6	230610750	-	Oil return pipe	1	UN		
7	230610193	-	Seal	2	UN		
8	230610180	-	Double-ended stud	8	UN		
9	230610163	-	Nut	8	UN		
10	230610721	-	Flange joint	1	UN		
11	230610253	-	Hose nipple	2	UN		
12	230610059	-	Sealing ring	2	UN		
13	230610448	-	Seal	2	UN		
14	230610447	-	Seal	2	UN		
15	230610524	-	Rubber connection	1	UN		
16	230610385	-	Hose clamp	4	UN		



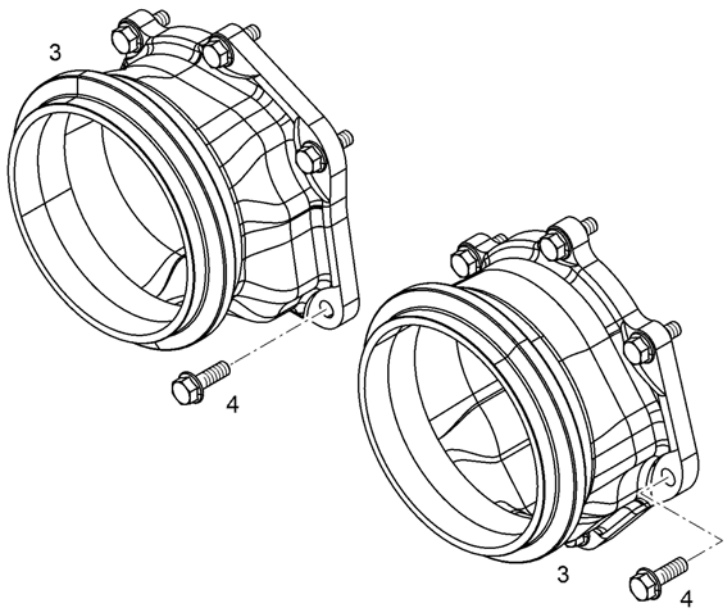
230610869

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
17	230610366	-	Pipe clamp	1	UN		
18	230611975	-	Nut	1	UN		
19	230612337	-	Hex screw	1	UN		
20	230610318	-	Hex screw	4	UN		
21	230610392	-	Socket head screw	4	UN		
24	230610521	-	Rubber connection	1	UN		
25	230610243	-	Flange joint	1	UN		
26	230610065	-	Screw plug	2	UN		
27	230610263	-	Washer	8	UN		



Exhaust nozzle
230610599

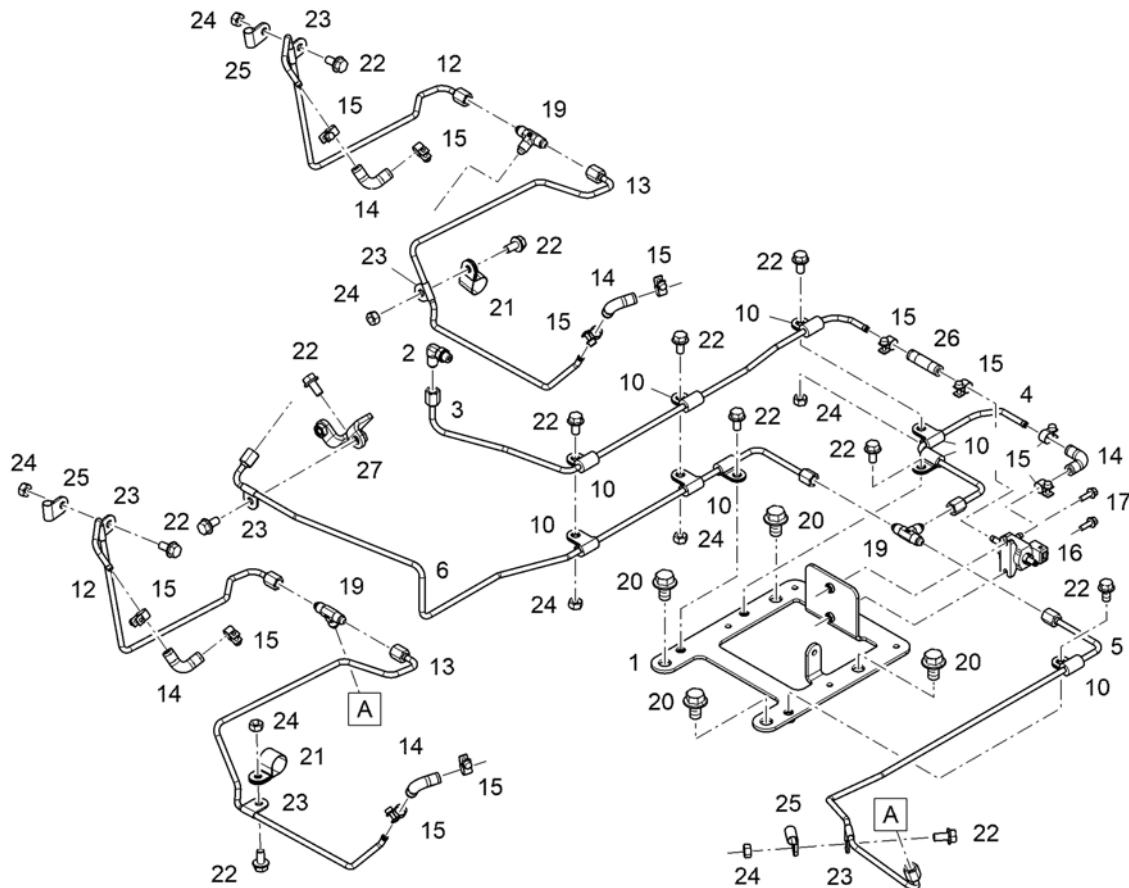
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
3	230610542	-	Exhaust nozzle	2	UN		
4	230610342	-	Hex screw	12	UN		



Regulation boost pressure

230612995

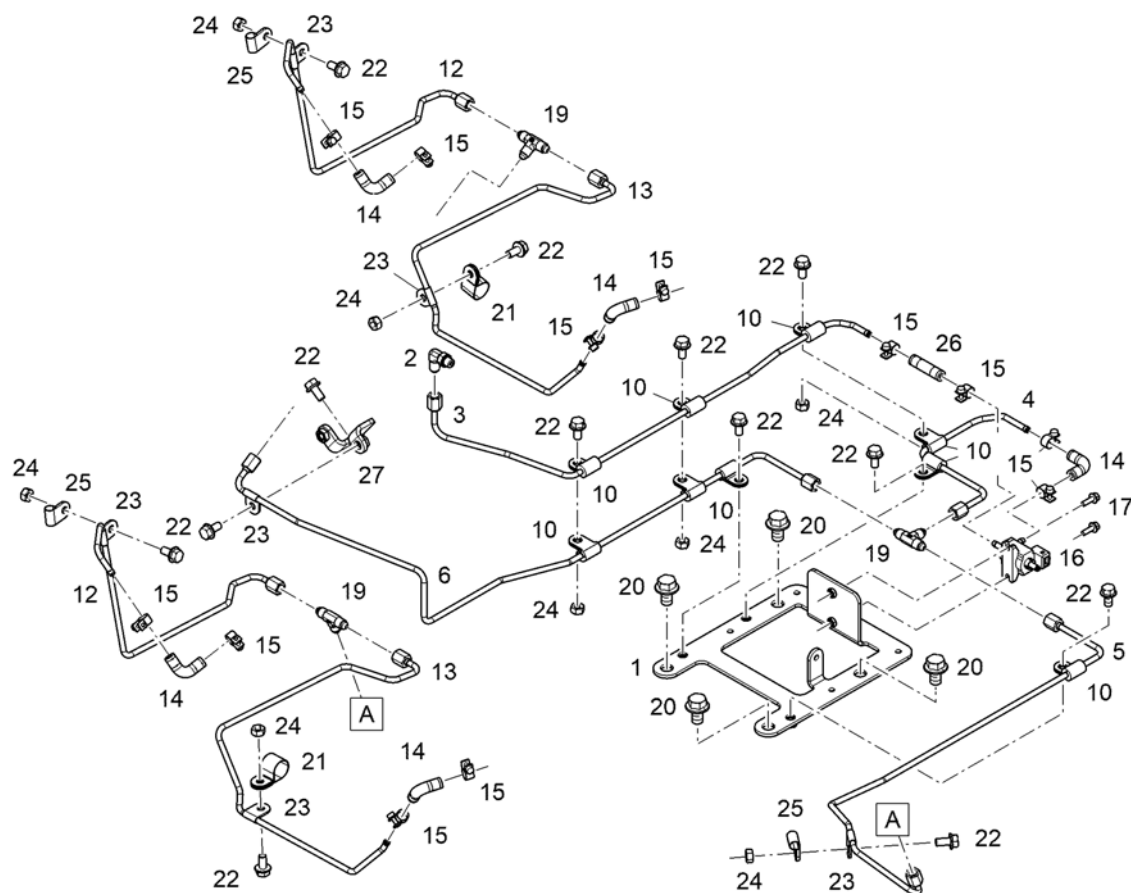
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612985	-	Plate	1	UN		
2	230610722	-	Flange joint	1	UN		
3	230612986	-	Pipeline	1	UN		
4	230612987	-	Pipeline	1	UN		
5	230612988	-	Pipeline	1	UN		
6	230612989	-	Pipeline	1	UN		
10	230612990	-	Pipe clamp	9	UN		
12	230612996	-	Pipeline	2	UN		
13	230612997	-	Pipeline	2	UN		
14	230610214	-	Rubber connection	5	UN		
15	230610083	-	Hose clamp	12	UN		
16	230610082	-	Cycle valve	1	UN		
17	230611946	-	Screw	2	UN		
19	230612295	-	Fitting	3	UN		
20	230612993	-	Hex screw	4	UN		
21	230610419	-	Clamp	2	UN		



Regulation boost pressure

230612995

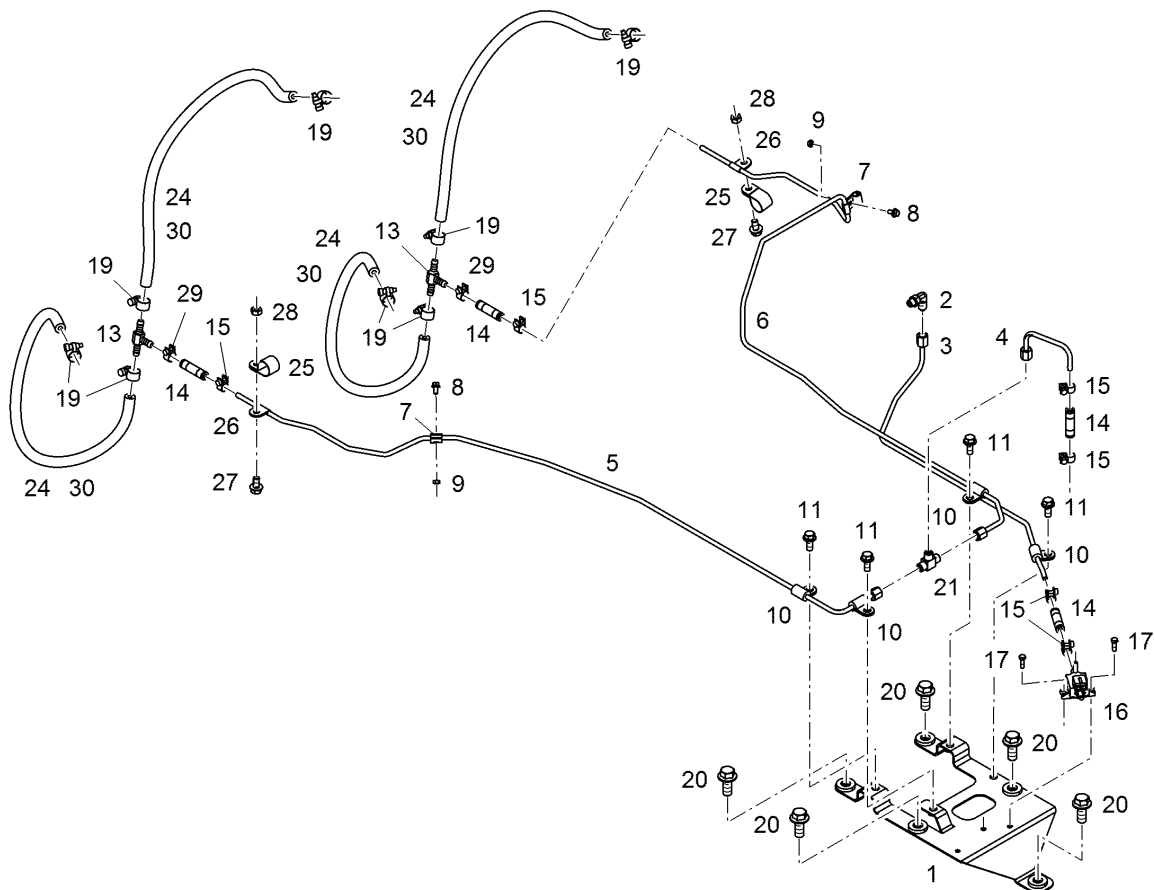
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
22	230611462	-	Hex screw	13	UN		
23	230610096	-	Clamp	6	UN		
24	230612312	-	Hex nut	8	UN		
25	230610084	-	Clamp	3	UN		
26	230610212	-	Rubber connection	1	UN		
27	230612994	-	Holder	1	UN		



Regulation boost pressure

230610870

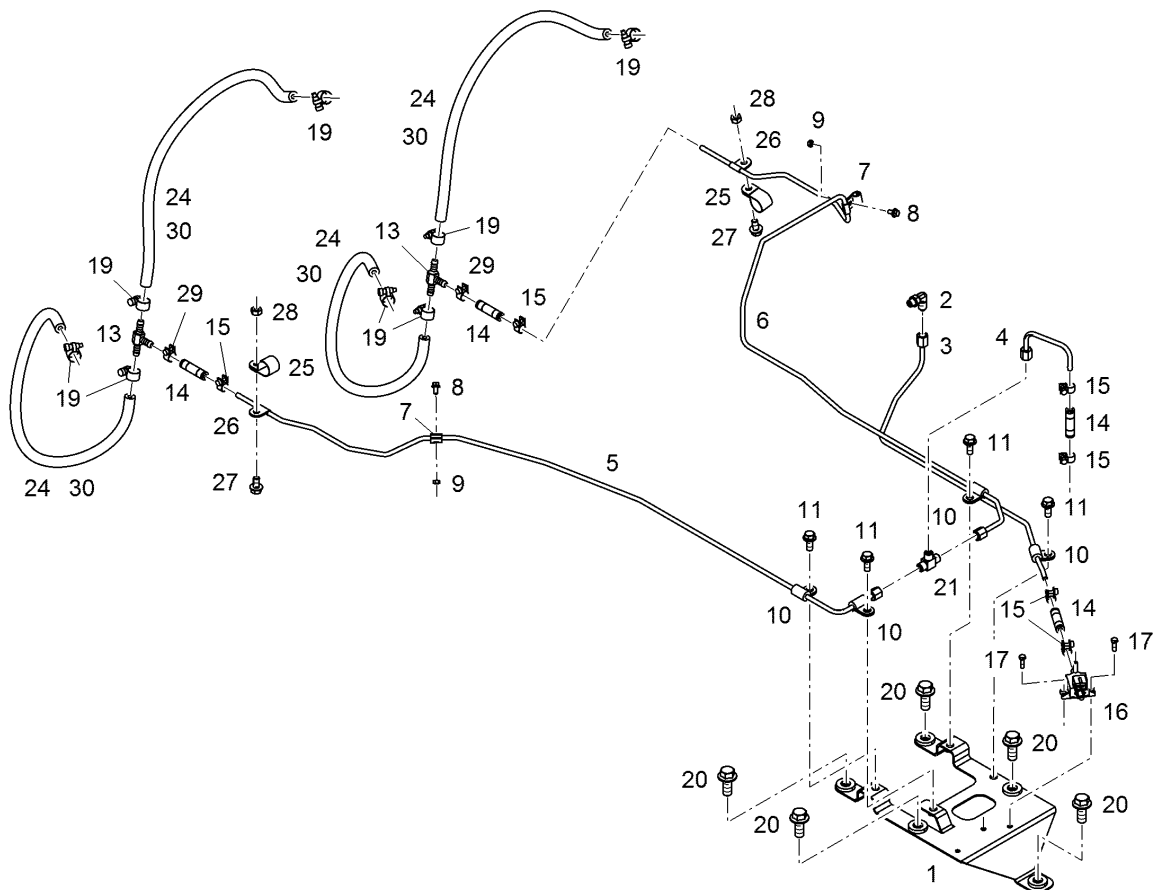
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610871	-	Plate	1	UN		
2	230610722	-	Flange joint	1	UN		
3	230610872	-	Pipeline	1	UN		
4	230610873	-	Pipeline	1	UN		
5	230610996	-	Pipeline	1	UN		
6	230610997	-	Pipeline	1	UN		
7	230610532	-	Pipe clamp	2	UN		
8	230612337	-	Hex screw	2	UN		
9	230611975	-	Nut	2	UN		
10	230610088	-	Clamp	4	UN		
11	230611470	-	Hex screw	4	UN		
13	230610649	-	Hose nipple	2	UN		
14	230610212	-	Rubber connection	4	UN		
15	230610083	-	Hose clamp	6	UN		
16	230610082	-	Cycle valve	1	UN		
17	230611946	-	Screw	2	UN		



Regulation boost pressure

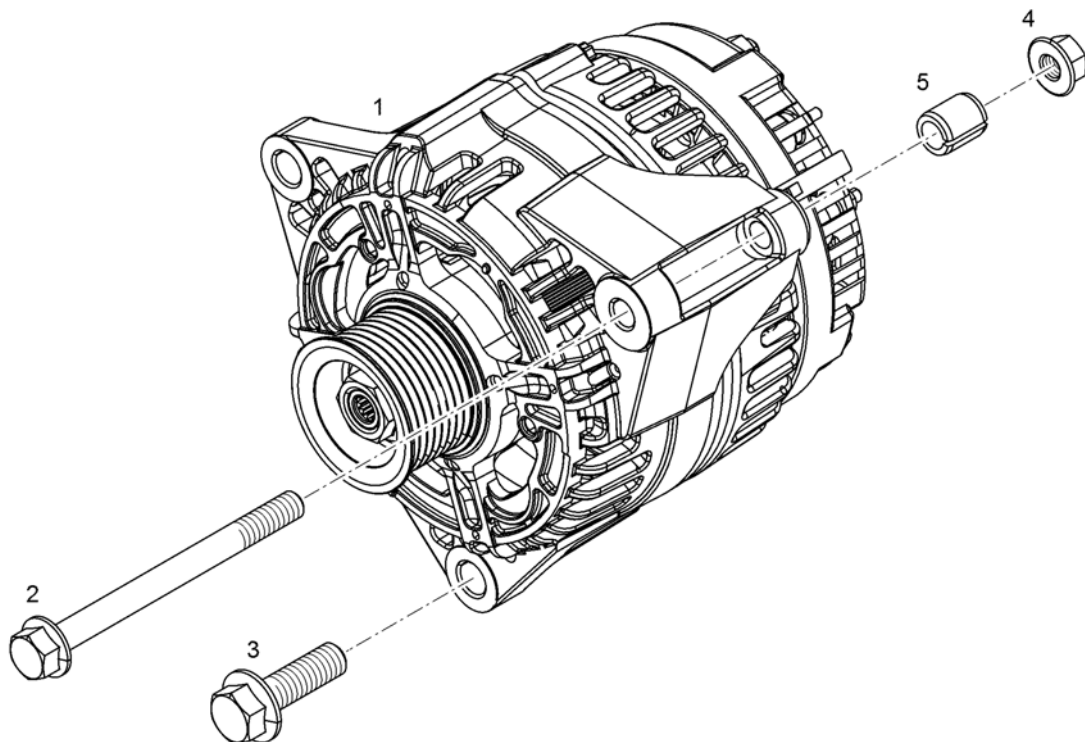
230610870

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
19	230610405	-	Hose clamp	8	UN		
20	230611378	-	Hex screw	5	UN		
21	230610240	-	Flange joint	1	UN		
24	230610543	-	Rubber connection	2	UN		
25	230610419	-	Clamp	2	UN		
26	230610096	-	Clamp	2	UN		
27	230611462	-	Hex screw	2	UN		
28	230612312	-	Hex nut	2	UN		
29	230610928	-	Hose clamp	2	UN		
30	230611976	-	Insulating hose	2.2	UN		



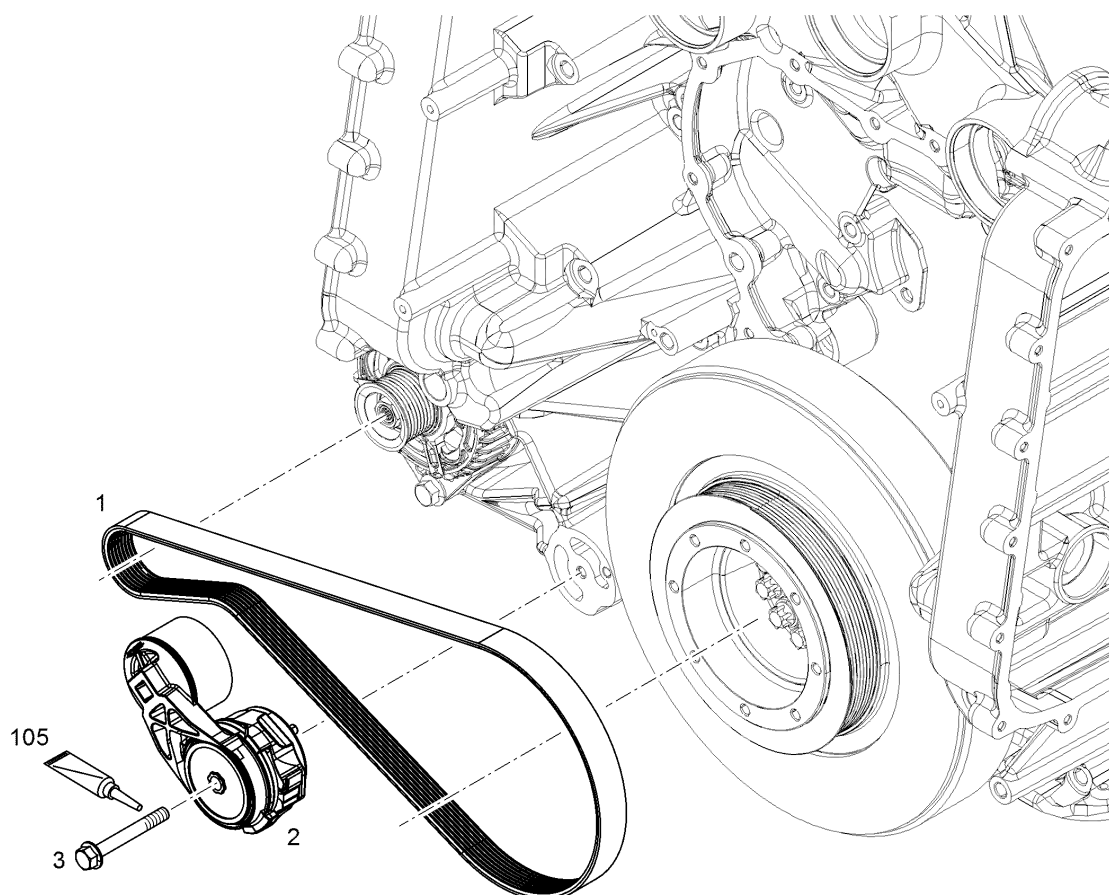
Generator add-on 230610814

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610917	-	Generator, pre-assembled	1	UN		
2	230612890	-	Hex screw	1	UN		
3	230612455	-	Hex screw	1	UN		
4	230611951	-	Nut	1	UN		
5	230611973	-	Bushing	1	UN		



Belt drive 230610815

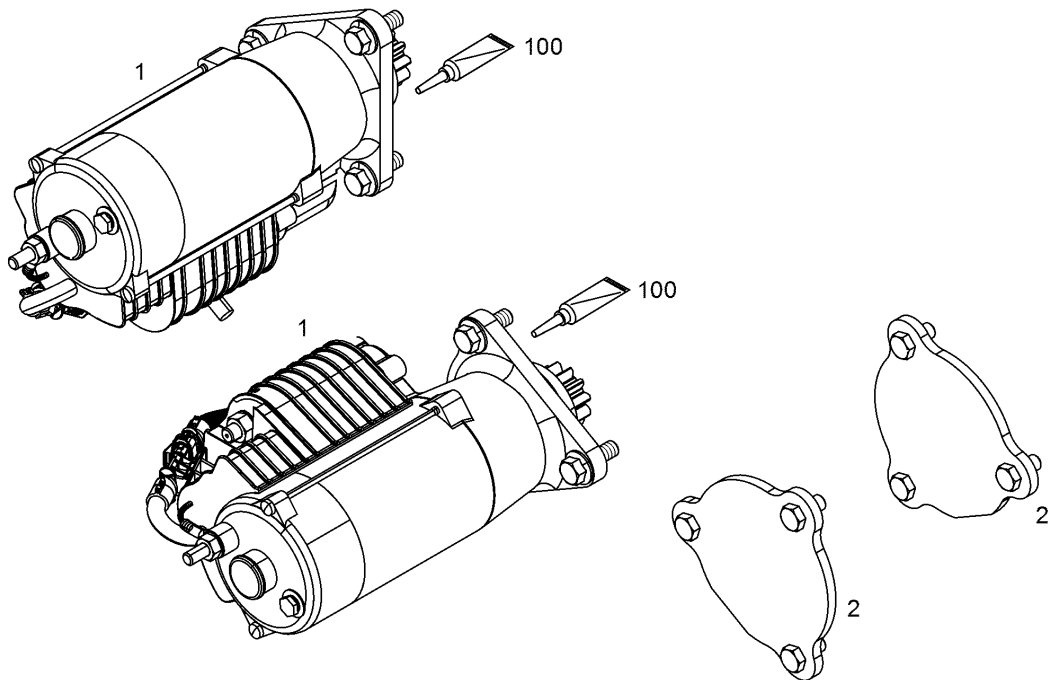
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611648	-	Belt	1	UN		
2	230610650	-	Fastening device	1	UN		
3	230612322	-	Hex screw	1	UN		



Starter installation

230610861

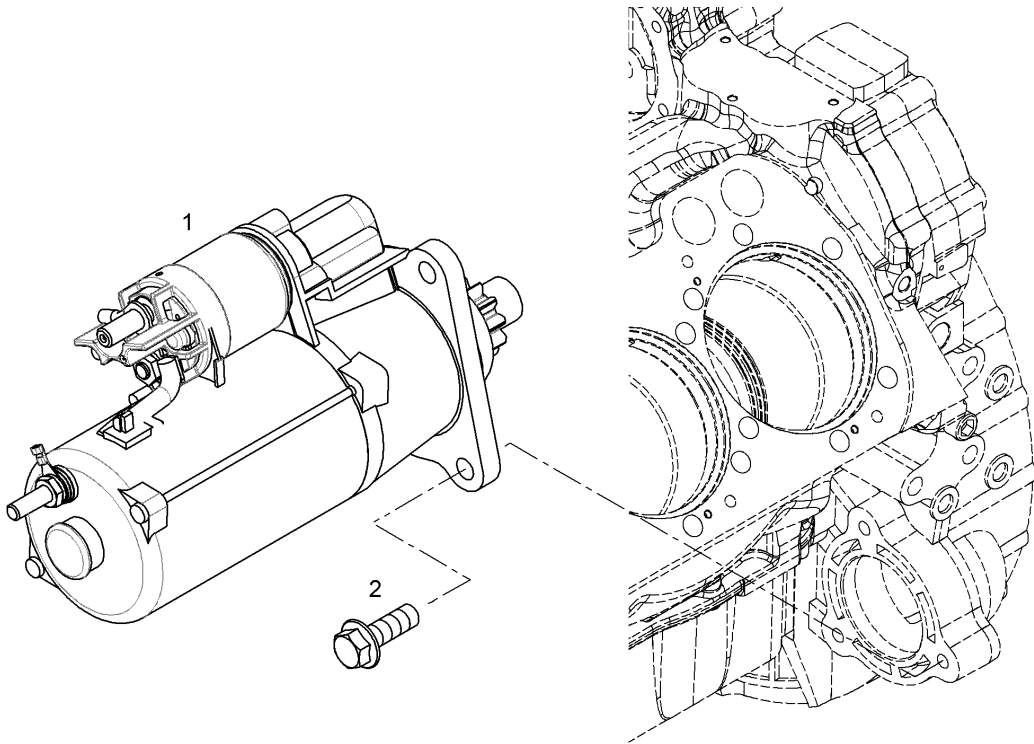
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610505	-	Starter installation	2	UN		103
2	230610221	-	Locking pieces	2	UN		105



Starter installation

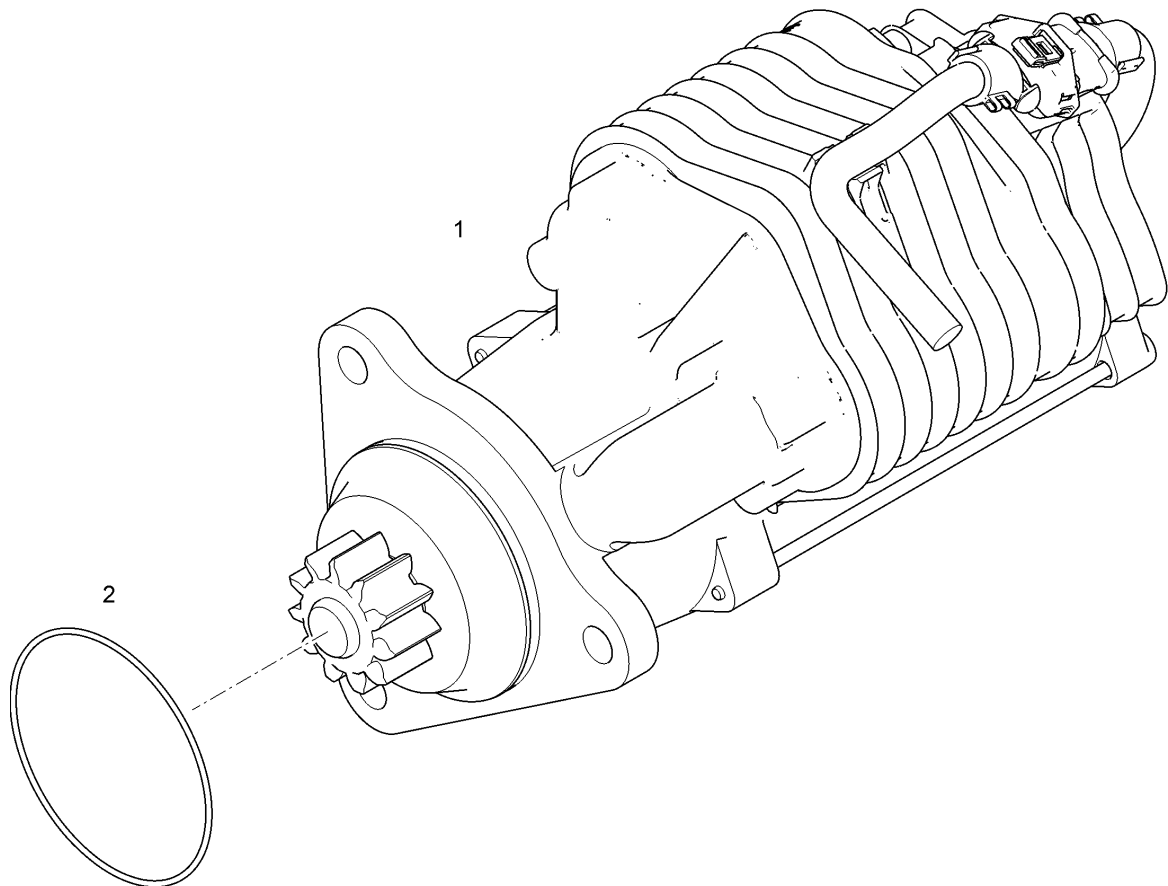
230610505

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610506	-	Starter pre-assy.	1	UN		104
2	230611961	-	Screw	3	UN		



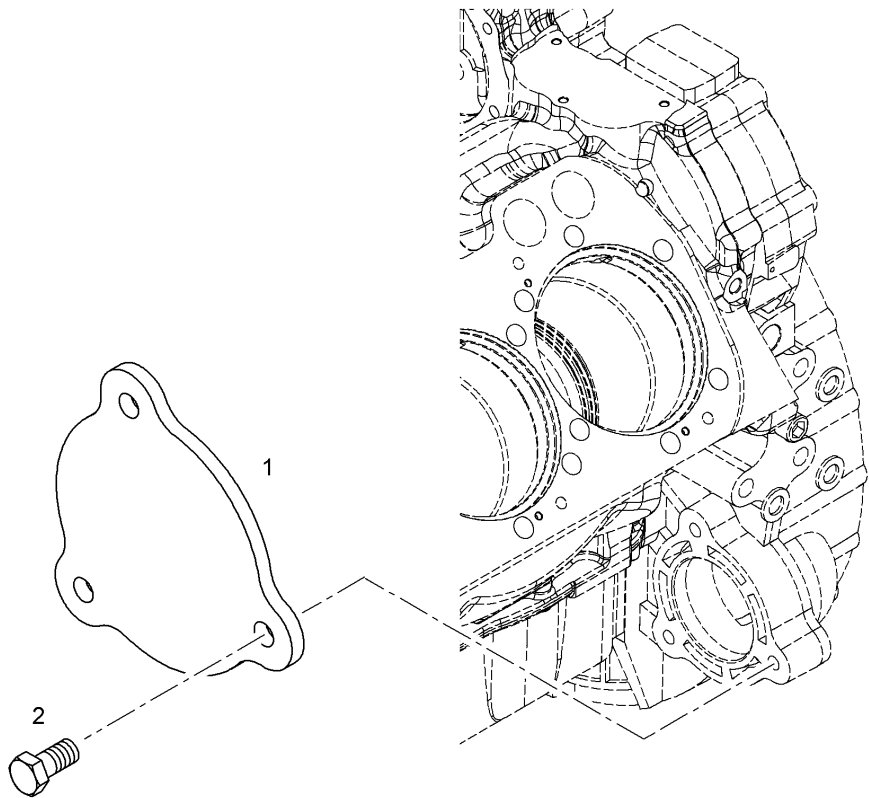
Starter pre-assy.
230610506

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610507	-	Starter	1	UN		
2	230610701	-	O-ring	1	UN		



Locking pieces
230610221

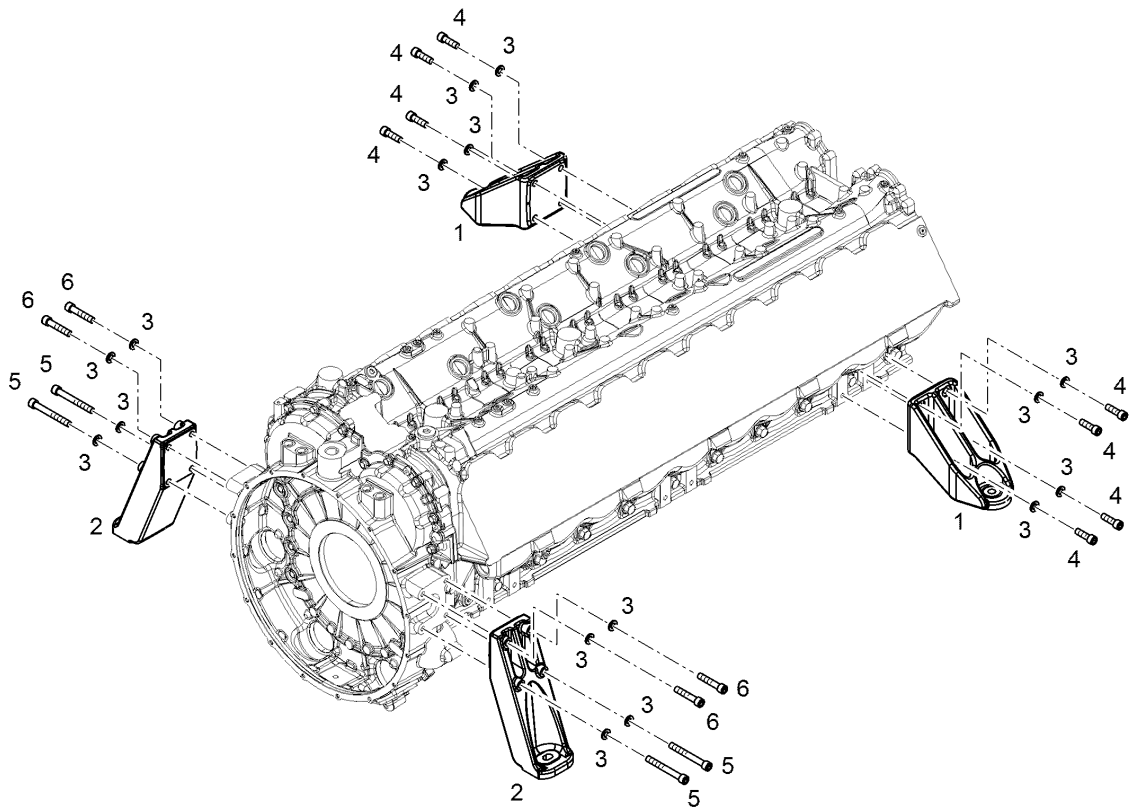
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610436	-	Cover	1	UN		
2	230611109	-	Hex screw	3	UN		



Fastening pieces assembly

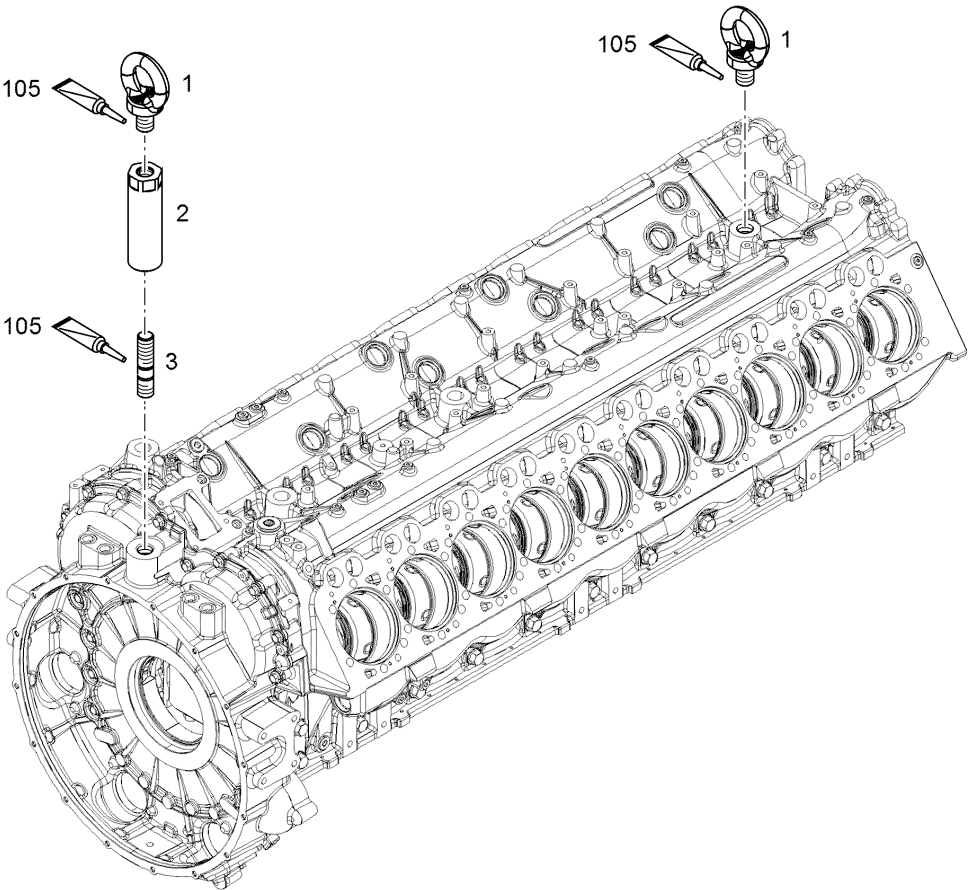
230610811

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610812	-	Fixing parts	2	UN		
2	230610813	-	Fixing parts	2	UN		
3	230612894	-	Washer	16	UN		
4	230610388	-	Socket head screw	8	UN		
5	230610387	-	Socket head screw	4	UN		
6	230610468	-	Socket head screw	4	UN		



Lifting device
230610600

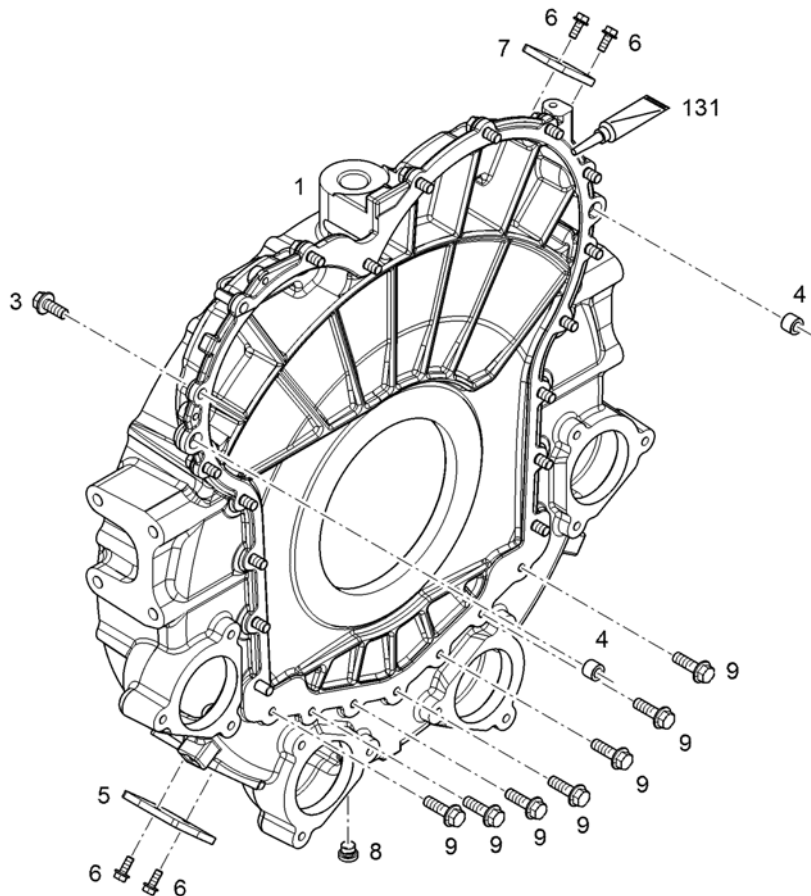
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610935	-	Ring bolt	2	UN		
2	230610810	-	Spacer piece	1	UN		
3	230610954	-	Double-ended stud	1	UN		



Flywheel housing mounting

230610764

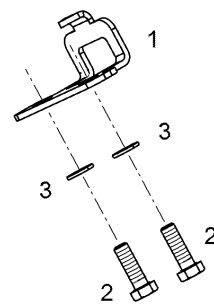
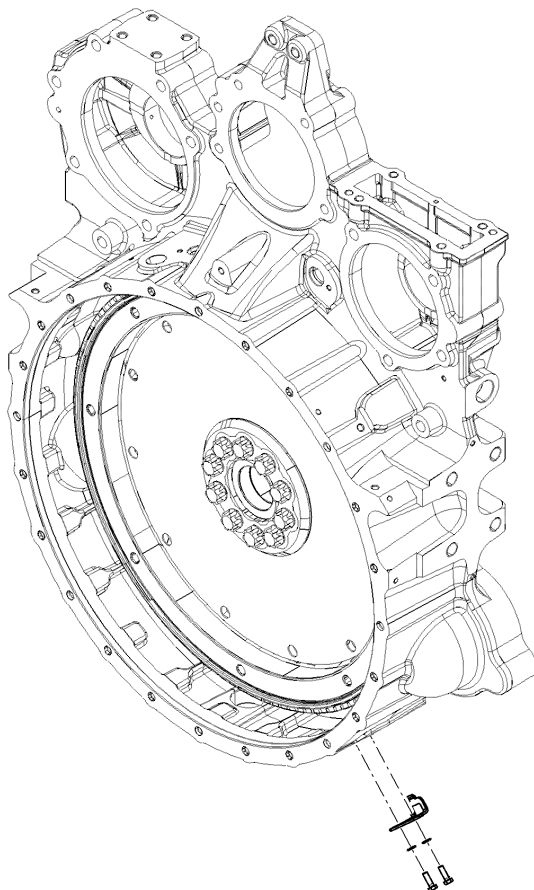
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610898	-	Flywheel housing	1	UN	01.21.2019	
1	230612942	-	Flywheel housing	1	UN	01.22.2019 ->	->
3	230612943	-	Hex screw	18	UN		
4	230610510	-	Tight fit sleeve	2	UN		
5	230610440	-	Cover	1	UN		
6	230611470	-	Hex screw	4	UN		
7	230610908	-	Cover	1	UN		
8	230610065	-	Screw plug	1	UN		
9	230612922	-	Hex screw	7	UN		



Control plate assembly

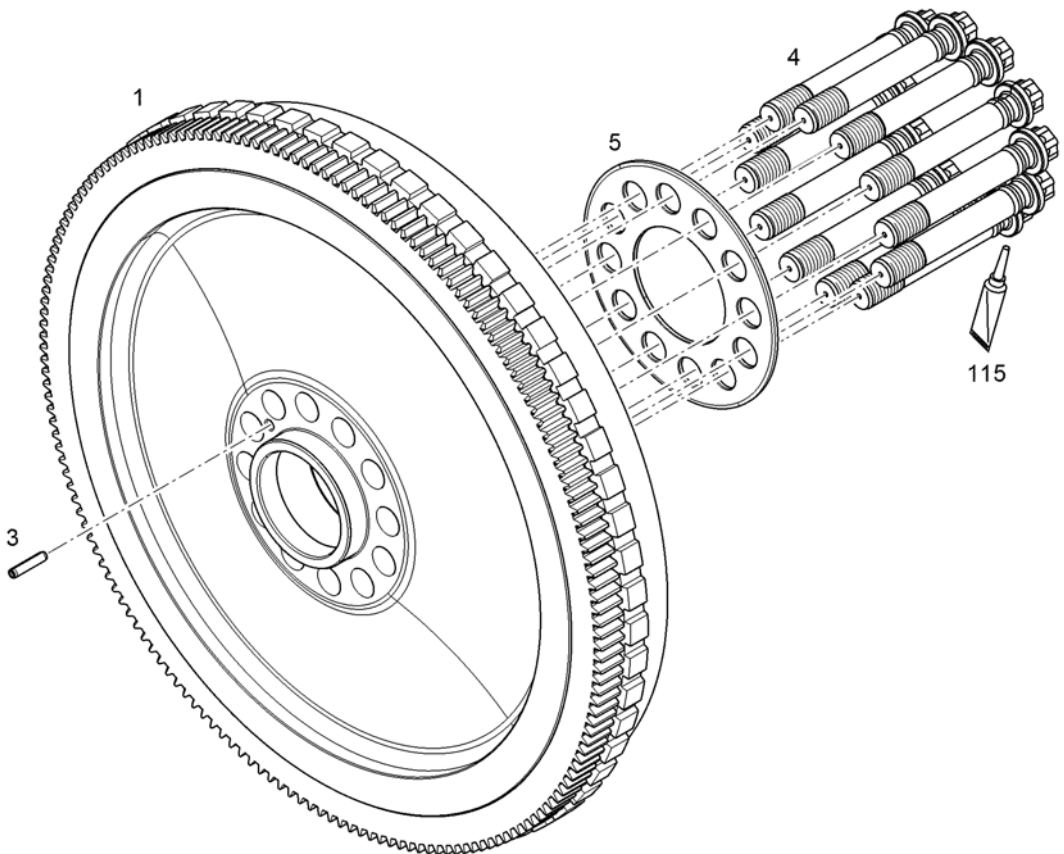
230610434

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610517	-	Ajdusting plate	1	UN		
2	230611010	-	Hex screw	2	UN		
3	230610395	-	Washer	2	UN		



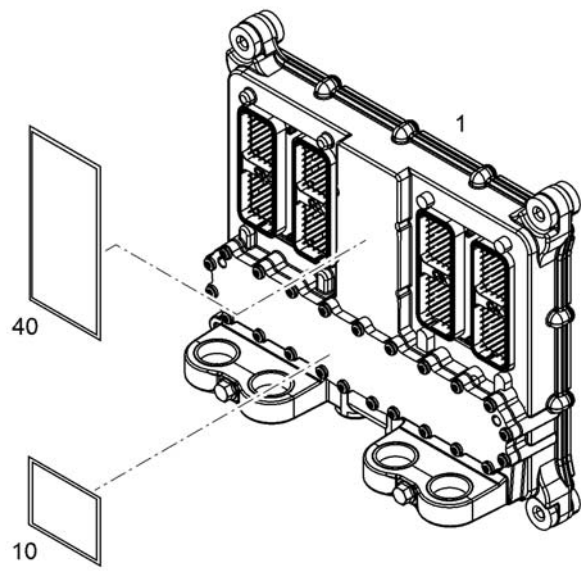
Flywheel assembly
230610698

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610699	-	Flywheel pre-ass.	1	UN		
3	230610462	-	Spiral dowel pin	1	UN		
4	230610739	-	Hexalobular head screw	12	UN		
5	230612245	-	Compression ring	1	UN		



Motor control device
230612828

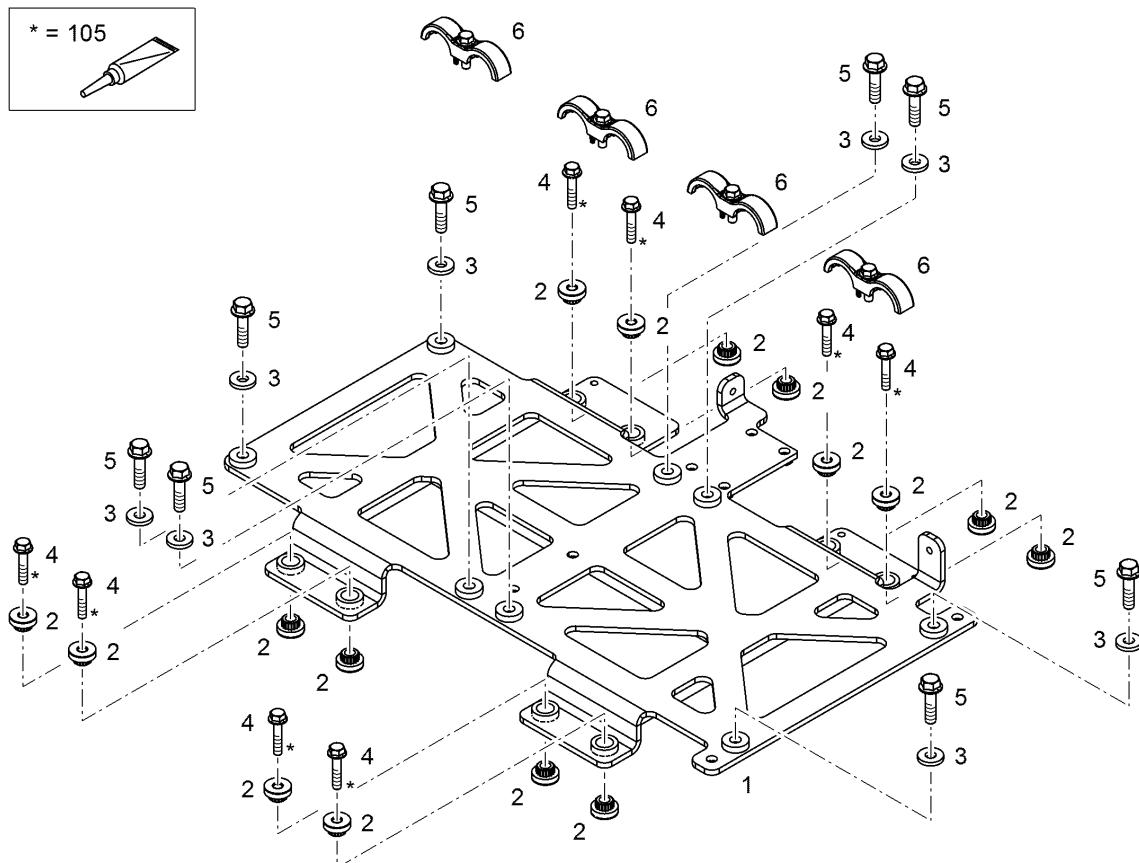
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610256	-	Motor control device	1	UN		
10	230611942	-	Company name plate	1	UN		
40	230611644	-	Company name plate	1	UN		



Control box annexe

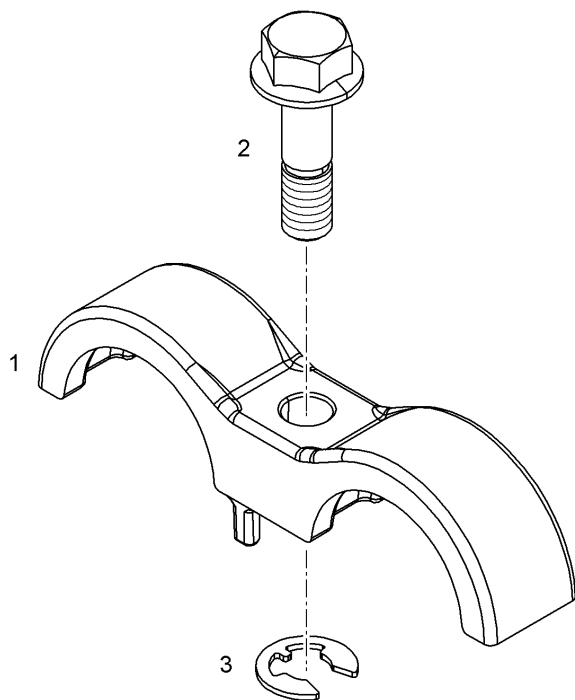
230610796

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610787	-	Console	1	UN		
2	230610269	-	Rubber buffer	16	UN		
3	230611949	-	Washer	8	UN		
4	230611473	-	Hex screw	8	UN		
5	230611371	-	Hex screw	8	UN		
6	230610072	-	Fastening clamp	4	UN		113



Fastening clamp
230610072

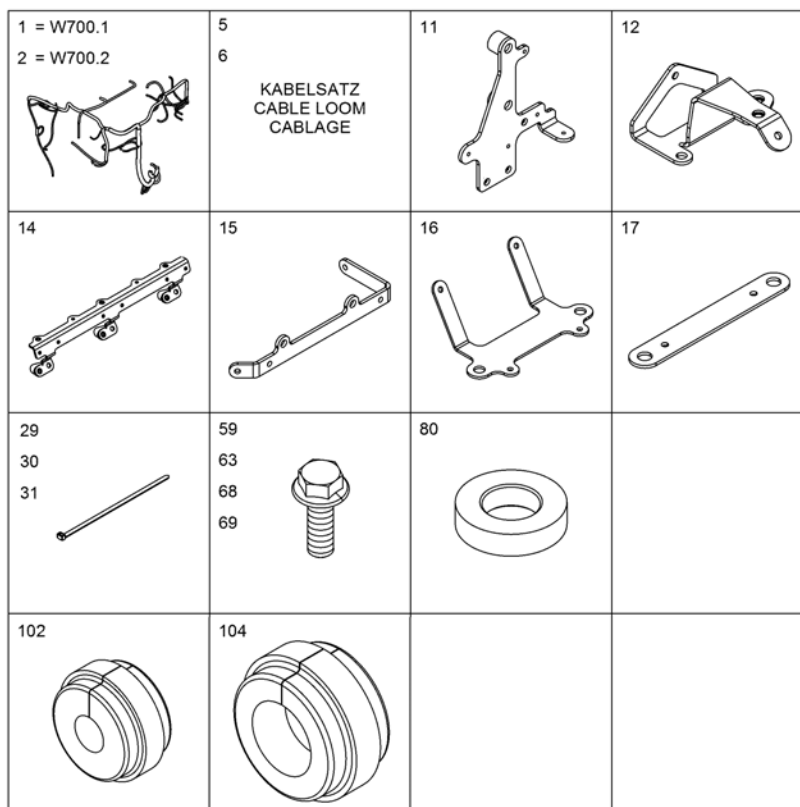
Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230610511	-	Fastening clamp	1	UN		
2	230610544	-	Screw	1	UN		
3	230612872	-	Lock washer	1	UN		



Cable harness mounting

230610986

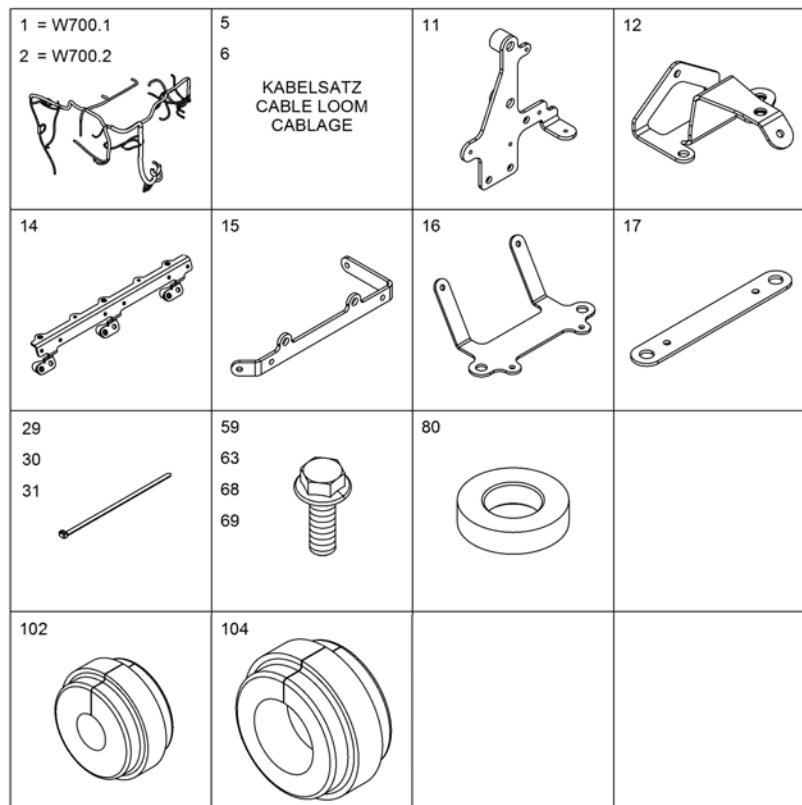
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610981	-	Cable harness	1	UN		
2	230610982	-	Cable harness	1	UN		
5	230611985	-	Wiring harness	1	UN		
6	230611986	-	Wiring harness	1	UN		
11	230610830	-	Holder	1	UN		
12	230610833	-	Holder	1	UN		
14	230610839	-	Holder	6	UN		
15	230610840	-	Holder	1	UN		
16	230610832	-	Holder	2	UN		
17	230610831	-	Holder	2	UN		
29	230611015	-	Cable tie	2	UN		
30	230610938	-	Cable tie	7	UN		
31	230610939	-	Cable tie	86	UN		
59	230611470	-	Hex screw	6	UN		
63	230611489	-	Hex screw	18	UN		
68	230611378	-	Hex screw	8	UN		



Cable harness mounting

230610986

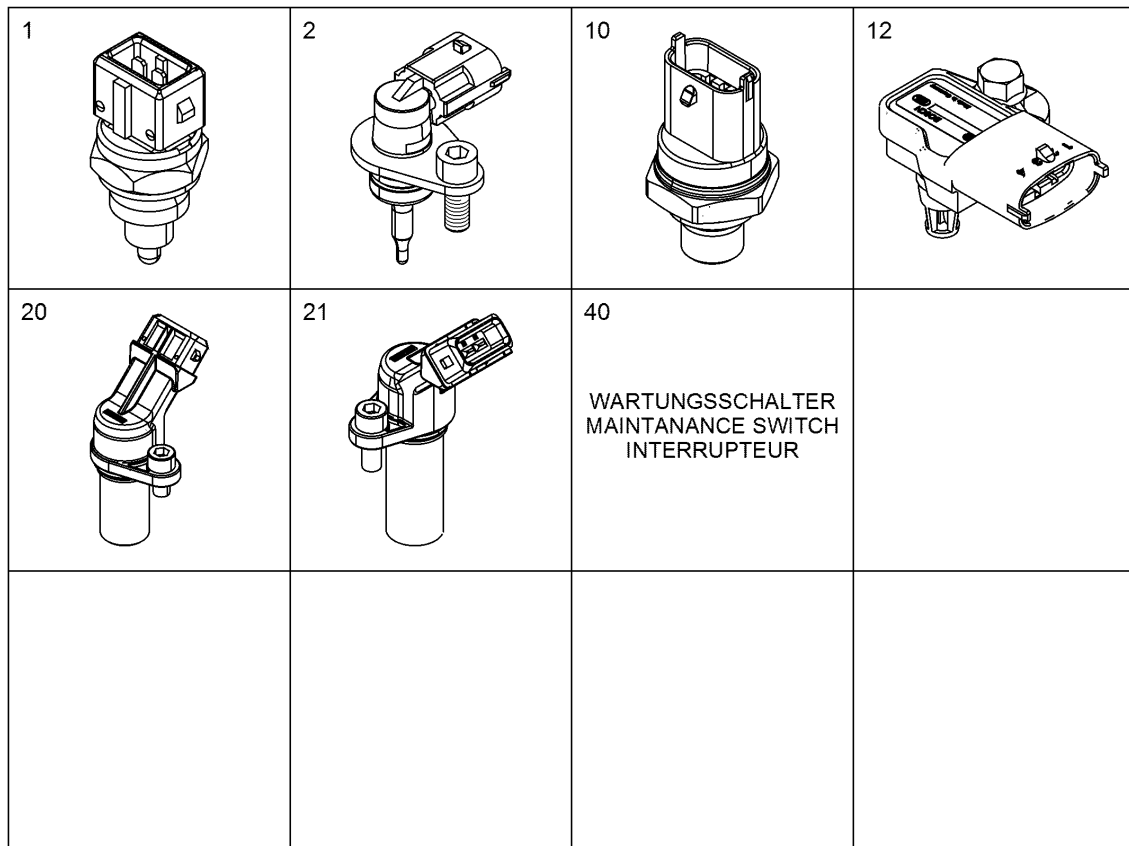
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
69	230612895	-	Hex screw	2	UN		
80	230610451	-	Spacer piece	8	UN		
102	230610534	-	Rubber ring	1	UN		
104	230611091	-	Ring	3	UN		



Engine control sensors

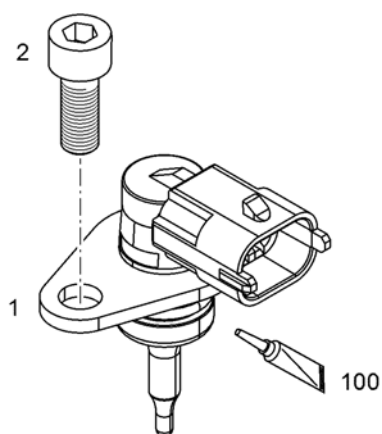
230610632

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610270	-	Temperature sensor coolant/oil/fuel	3	UN		
2	230610272	-	Temperature probe cpl.	1	UN		117
10	230610901	-	Pressure transmitter cpl.	2	UN	10.13.2016	118
10	230610075	-	Oil pressure sensor	2	UN	10.14.2016 -> ->	119
12	230610077	-	Temperature sensor cpl.	1	UN		120
20	230612792	-	Crankshaft rotational speed sensor	1	UN		121
21	230612793	-	Camshaft rotational speed sensor	1	UN		122
40	230610184	-	Air filter pressure sensor	4	UN		



Temperature probe cpl.
230610272

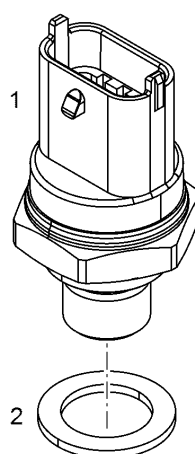
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610271	-	Air temperature sensor	1	UN		
2	230612440	-	Socket head screw	1	UN		



Pressure transmitter cpl.

230610901

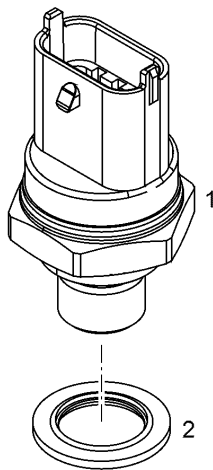
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610864	-	Pressure transmitter	1	UN		
2	230610056	-	Sealing ring	1	UN		



Oil pressure sensor

230610075

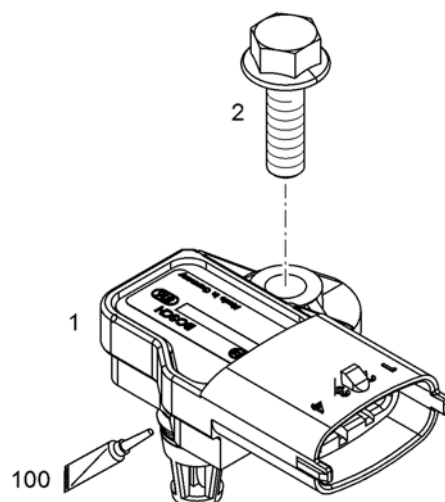
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230611019	-	Oil pressure sensor	1	UN		
2	230610056	-	Sealing ring	1	UN		



Temperature sensor cpl.

230610077

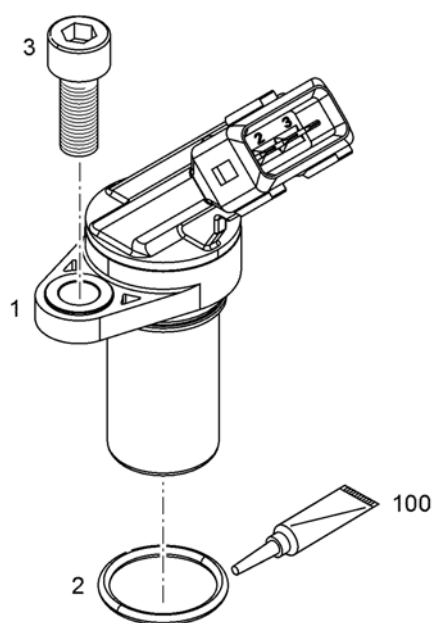
Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230610076	-	Pressure and temperature sensor air boost	1	UN		
2	230612874	-	Hex screw	1	UN		



Crankshaft rotational speed sensor

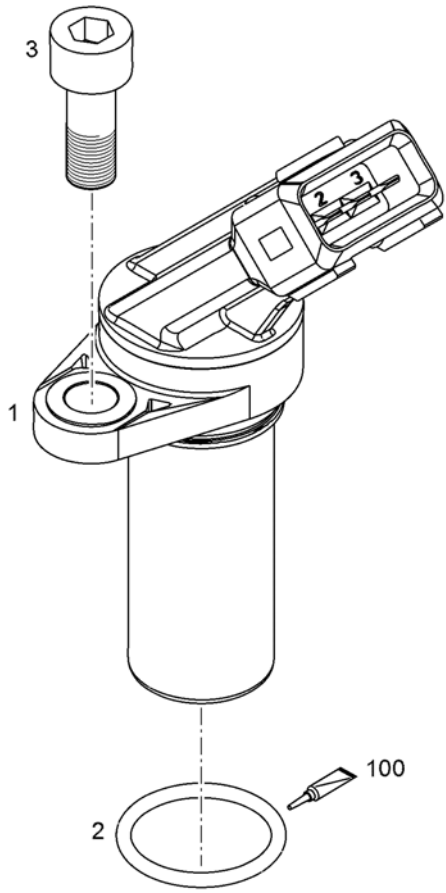
230612792

Po siti on	Part number	Versi on	Description	Qty	UN Serial number from	Serial number to	Page
1	230612790	-	Crankshaft rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		



Camshaft rotational speed sensor
230612793

Position	Part number	Version	Description	Qty	UN Serial number from	Serial number to	Page
1	230612791	-	Camshaft rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		



Engine electrics

230610825

Position	Part number	Version	Description	Qty	UN	Serial number from	Serial number to	Page
90	230610826	-	Electrical circuit diagram	1	UN			

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Ordering PN

Part number	Version	Description	Ordering PN
230510001	-	Oil filter	
230510004	-	Fuel filter	230510004
230610004	-	Filter element	230610004
230610005	-	Regulating valve	230610005
230610050	-	Locking ring	230610050
230610052	-	Sealing ring	230610052
230610053	-	Sealing ring	230610053
230610054	-	Sealing ring	230610054
230610055	-	Sealing ring	230610055
230610056	-	Sealing ring	230610056
230610057	-	Sealing ring	230610057
230610058	-	Sealing ring	230610058
230610059	-	Sealing ring	230610059
230610060	-	Connecting rod assembly	230610060
230610063	-	Screw plug	230610063
230610064	-	Screw plug	230610064
230610065	-	Screw plug	230610065
230610066	-	Screw plug	230610066
230610067	-	Screw plug	230610067
230610070	-	Screw plug	230610070
230610071	-	Screw plug	230610071
230610072	-	Fastening clamp	230610072
230610073	-	Cylinder head cover assembly	230610073
230610075	-	Oil pressure sensor	230610075
230610076	-	Pressure and temperature sensor air boost	230610076
230610077	-	Temperature sensor cpl.	230610077
230610082	-	Cycle valve	230610082
230610083	-	Hose clamp	230610083

Ordering PN

Part number	Version	Description	Ordering PN
230610084	-	Clamp	230610084
230610085	-	Hose clamp	230610085
230610086	-	Clamp	230610086
230610087	-	Clamp	230610087
230610088	-	Clamp	230610088
230610096	-	Clamp	230610096
230610099	-	Hose clamp	230610099
230610100	-	Retainer clip	230610100
230610120	-	Overflow-oil line	230610120
230610130	-	Ventilation line	230610130
230610151	-	Cover	230610151
230610152	-	End cover	230610152
230610153	-	Cylinder head assembly	230610153
230610155	-	Cylinder	230610155
230610160	-	Rocker arms device cpl.	230610160
230610163	-	Nut	230610163
230610180	-	Double-ended stud	230610180
230610181	-	Parallel pin	230610181
230610182	-	Jaw	230610182
230610184	-	Air filter pressure sensor	230610184
230610186	-	Seal	230610186
230610189	-	Seal	230610189
230610190	-	Cylinder head gasket	230610190
230610191	-	Seal	230610191
230610193	-	Seal	230610193
230610196	-	Rotary shaft lip seal	230610196
230610198	-	O-ring	230610198
230610199	-	O-ring	230610199

Ordering PN

Part number	Version	Description	Ordering PN
230610200	-	O-ring	230610200
230610202	-	O-ring	230610202
230610203	-	O-ring	230610203
230610208	-	O-ring	230610208
230610209	-	O-ring	230610209
230610211	-	O-ring	230610211
230610212	-	Rubber connection	230610212
230610214	-	Rubber connection	230610214
230610217	-	Rubber connection	230610217
230610221	-	Locking pieces	230610221
230610222	-	Intermediate part	230610222
230610224	-	Piston cpl.	230610224
230610227	-	Seal kit high press.connector	230610227
230610228	-	Seal kit injector	230610228
230610239	-	Roller tappet	230610239
230610240	-	Flange joint	230610240
230610242	-	Flange joint	230610242
230610243	-	Flange joint	230610243
230610245	-	Flange joint	230610245
230610248	-	Flange joint	230610248
230610250	-	Fittings	230610250
230610251	-	High pressure connector	230610251
230610252	-	Double nipple	230610252
230610253	-	Hose nipple	230610253
230610256	-	Motor control device	230610256
230610257	-	Oil filler inlet	230610257
230610263	-	Washer	230610263
230610266	-	Dsf ring	230610266

Ordering PN

Part number	Version	Description	Ordering PN
230610267	-	Piston ring mg	230610267
230610268	-	Kb-ring	230610268
230610269	-	Rubber buffer	230610269
230610270	-	Temperature sensor coolant/oil/fuel	230610270
230610271	-	Air temperature sensor	230610271
230610272	-	Temperature probe cpl.	230610272
230610274	-	Shut-off valve	230610274
230610276	-	Drain valve	230610276
230610277	-	Support plate	230610277
230610278	-	Support plate	230610278
230610286	-	Thermostat	230610286
230610312	-	Hex screw	230610312
230610317	-	Socket head screw	230610317
230610318	-	Hex screw	230610318
230610320	-	Hex screw	230610320
230610322	-	Hex screw	230610322
230610324	-	Hex screw	230610324
230610333	-	Hex screw	230610333
230610342	-	Hex screw	230610342
230610350	-	Hexalobular head screw	230610350
230610354	-	Hollow screw	230610354
230610356	-	Hollow screw	230610356
230610357	-	Hollow screw	230610357
230610363	-	Cylinder screw	230610363
230610366	-	Pipe clamp	230610366
230610370	-	Hex screw	230610370
230610382	-	Locking ring	230610382
230610384	-	Clamp	230610384

Ordering PN

Part number	Version	Description	Ordering PN
230610385	-	Hose clamp	230610385
230610387	-	Socket head screw	230610387
230610388	-	Socket head screw	230610388
230610389	-	Hose clamp	230610389
230610391	-	Parallel pin	230610391
230610392	-	Socket head screw	230610392
230610393	-	Sealing ring	230610393
230610395	-	Washer	230610395
230610400	-	Socket head screw	230610400
230610401	-	Parallel pin	230610401
230610405	-	Hose clamp	230610405
230610406	-	Parallel pin	230610406
230610407	-	O-ring	230610407
230610408	-	O-ring	230610408
230610409	-	Sealing ring	230610409
230610410	-	Clamp	230610410
230610413	-	O-ring	230610413
230610415	-	Screw plug	230610415
230610416	-	O-ring	230610416
230610417	-	O-ring	230610417
230610418	-	Pipe clamp	230610418
230610419	-	Clamp	230610419
230610420	-	O-ring	230610420
230610421	-	Fittings	230610421
230610422	-	Clamp	230610422
230610424	-	Clamp	230610424
230610425	-	Clamp	230610425
230610426	-	Clamp	230610426

Ordering PN

Part number	Version	Description	Ordering PN
230610428	-	Nozzle	230610428
230610429	-	Pipe clamp	230610429
230610432	-	Distance sleeve	230610432
230610434	-	Control plate assembly	230610434
230610435	-	Spring support	230610435
230610436	-	Cover	230610436
230610437	-	Hose nipple	230610437
230610440	-	Cover	230610440
230610441	-	O-ring	230610441
230610442	-	Fittings	230610442
230610443	-	Distance sleeve	230610443
230610444	-	Cover	230610444
230610445	-	Seal	230610445
230610446	-	Tight fit sleeve	230610446
230610447	-	Seal	230610447
230610448	-	Seal	230610448
230610449	-	Rubber connection	230610449
230610451	-	Spacer piece	230610451
230610452	-	Hose nipple	230610452
230610453	-	Rubber connection	230610453
230610455	-	Rubber connection	230610455
230610459	-	Hex screw	230610459
230610462	-	Spiral dowel pin	230610462
230610463	-	Valve spring	230610463
230610464	-	Hex screw	230610464
230610468	-	Socket head screw	230610468
230610469	-	Hex screw	230610469
230610470	-	Sealing plug	230610470

Ordering PN

Part number	Version	Description	Ordering PN
230610477	-	Sealing plug	230610477
230610478	-	End cover	230610478
230610482	-	Hex screw	230610482
230610484	-	Screw plug	230610484
230610488	-	Threaded insert	230610488
230610489	-	Hex screw	230610489
230610491	-	Pipe clamp	230610491
230610493	-	Support plate	230610493
230610494	-	Support plate	230610494
230610496	-	Hexalobular head screw	230610496
230610500	-	Non-return valve	230610500
230610501	-	Ventilation line	230610501
230610503	-	Distance sleeve	230610503
230610504	-	Valve stem seal ring	230610504
230610505	-	Starter installation	230610505
230610506	-	Starter pre-assy.	230610506
230610507	-	Starter	230610507
230610509	-	Connection piece	230610509
230610510	-	Tight fit sleeve	230610510
230610511	-	Fastening clamp	230610511
230610512	-	Rubber connection	230610512
230610517	-	Ajdusting plate	230610517
230610518	-	Rubber connection	230610518
230610521	-	Rubber connection	230610521
230610524	-	Rubber connection	230610524
230610526	-	O-ring	230610526
230610527	-	Camshaft bearing	230610527
230610528	-	Overflow-oil line	230610528

Ordering PN

Part number	Version	Description	Ordering PN
230610529	-	Mounting requirement	230610529
230610531	-	Rubber connection	230610531
230610532	-	Pipe clamp	230610532
230610534	-	Rubber ring	230610534
230610535	-	Distance sleeve	230610535
230610538	-	Holder	230610538
230610539	-	Distance sleeve	230610539
230610540	-	Hexalobular head screw	230610540
230610541	-	Retainer clip	230610541
230610542	-	Exhaust nozzle	230610542
230610543	-	Rubber connection	230610543
230610544	-	Screw	230610544
230610545	-	Sheet gasket	230610545
230610546	-	Guiding pipe	230610546
230610552	-	Outlet valve	230610552
230610553	-	Washer	230610553
230610554	-	Exhaust valve seat insert	230610554
230610556	-	Cylinder head cover assembly	230610556
230610557	-	Connecting rod pre-assy.	230610557
230610558	-	Connecting rod bearing	230610558
230610559	-	Connecting rod bearing	230610559
230610560	-	Main bearing	230610560
230610561	-	Main bearing	230610561
230610564	-	Main bearing	230610564
230610565	-	Main bearing	230610565
230610567	-	Bearing flange	230610567
230610568	-	Shaft	230610568
230610569	-	Flange	230610569

Ordering PN

Part number	Version	Description	Ordering PN
230610570	-	Piston cooling	230610570
230610574	-	Locking pieces	230610574
230610581	-	Hexagon head screw	230610581
230610582	-	Hexagon head screw	230610582
230610583	-	Thrust washer	230610583
230610584	-	Thrust washer	230610584
230610585	-	Crankshaft sealing	230610585
230610586	-	Crankcase breather assembly	230610586
230610587	-	Control parts	230610587
230610588	-	Piston bolt	230610588
230610589	-	Cylinder head cover assembly	230610589
230610591	-	Bearing	230610591
230610593	-	Valve stem guide	230610593
230610594	-	Locking screw	230610594
230610596	-	Exhaust pipe assembly	230610596
230610597	-	Lamellar disk kit	230610597
230610598	-	Compensator	230610598
230610599	-	Exhaust nozzle	230610599
230610600	-	Lifting device	230610600
230610601	-	Charge air line assembly	230610601
230610602	-	Plate	230610602
230610603	-	Distributor block	230610603
230610604	-	Distributor block	230610604
230610605	-	Fuel line	230610605
230610606	-	Fuel line	230610606
230610607	-	Fuel line	230610607
230610608	-	Fuel line	230610608
230610609	-	Water pump with fastening	230610609

Ordering PN

Part number	Version	Description	Ordering PN
230610610	-	Heat protection sheet	230610610
230610613	-	Distributor block	230610613
230610614	-	Distributor block	230610614
230610615	-	Overflow-oil line	230610615
230610616	-	Overflow-oil line	230610616
230610618	-	Overflow-oil line	230610618
230610620	-	Lubricating oil line	230610620
230610621	-	Lubricating oil line	230610621
230610622	-	Lubricating oil line	230610622
230610623	-	Oil line	230610623
230610624	-	Tube	230610624
230610625	-	Oil line	230610625
230610626	-	Oil line	230610626
230610627	-	Oil line	230610627
230610628	-	Oil line	230610628
230610629	-	Oil line	230610629
230610630	-	Console	230610630
230610631	-	Tube	230610631
230610632	-	Engine control sensors	230610632
230610633	-	Pressure spring	230610633
230610634	-	Piston	230610634
230610635	-	Housing pre-assembled	230610635
230610636	-	Flange	230610636
230610637	-	Tube	230610637
230610638	-	Cover	230610638
230610639	-	Main bearing cap	230610639
230610640	-	Main bearing cap	230610640
230610641	-	Crankcase	230610641

Ordering PN

Part number	Version	Description	Ordering PN
230610642	-	Crankcase pre-assy.	230610642
230610643	-	Crankcase cpl.	230610643
230610647	-	Sleeve	230610647
230610649	-	Hose nipple	230610649
230610650	-	Fastening device	230610650
230610654	-	Hex nut	230610654
230610655	-	Adjusting screw	230610655
230610656	-	Washer	230610656
230610657	-	Pressure limiting valve	230610657
230610660	-	Rocker arm bracket pre-ass.	230610660
230610664	-	Housing pre-assembled	230610664
230610669	-	Drive shaft	230610669
230610672	-	Seal	230610672
230610677	-	Gear wheel	230610677
230610678	-	Washer	230610678
230610680	-	Holder	230610680
230610682	-	Drive for high pressure pump	230610682
230610683	-	Filler neck	230610683
230610686	-	Power unit support attachment	230610686
230610688	-	Gearwheel pre-ass.	230610688
230610692	-	Gear wheel	230610692
230610693	-	Gear wheel	230610693
230610697	-	Valve bridge	230610697
230610698	-	Flywheel assembly	230610698
230610699	-	Flywheel pre-ass.	230610699
230610701	-	O-ring	230610701
230610708	-	Socket head screw	230610708
230610709	-	O-ring	230610709

Ordering PN

Part number	Version	Description	Ordering PN
230610711	-	Plug-in pipe	230610711
230610718	-	Clamp	230610718
230610720	-	Screw plug	230610720
230610721	-	Flange joint	230610721
230610722	-	Flange joint	230610722
230610725	-	Pipe clamp	230610725
230610726	-	Flange joint	230610726
230610729	-	O-ring	230610729
230610730	-	Outlet manifold add-on	230610730
230610733	-	High pressure pipe assembly	230610733
230610734	-	Injection line	230610734
230610735	-	Injection line	230610735
230610736	-	Injection line	230610736
230610737	-	Injection line	230610737
230610738	-	Injection line	230610738
230610739	-	Hexalobular head screw	230610739
230610741	-	Pipeline	230610741
230610746	-	Seal	230610746
230610747	-	Oil return pipe	230610747
230610748	-	Oil return pipe	230610748
230610749	-	Oil return pipe	230610749
230610750	-	Oil return pipe	230610750
230610754	-	Oil cooler	230610754
230610756	-	Thermostat housing assembly	230610756
230610759	-	Rocker arm support	230610759
230610760	-	Nozzle pre-ass.	230610760
230610761	-	Rocker arm	230610761
230610762	-	Rocker arm	230610762

Ordering PN

Part number	Version	Description	Ordering PN
230610763	-	Rocker axle pre-ass.	230610763
230610764	-	Flywheel housing mounting	230610764
230610769	-	Final control valve	230610769
230610776	-	Air intake assembly	230610776
230610777	-	Valve collet	230610777
230610778	-	Lubricating oil line	230610778
230610779	-	Seal	230610779
230610780	-	Crankshaft bearings	230610780
230610781	-	Oil sump with fastening	230610781
230610782	-	Oil sump	230610782
230610784	-	Holder	230610784
230610785	-	Suction pipe	230610785
230610786	-	Suction pipe	230610786
230610787	-	Console	230610787
230610788	-	Console	230610788
230610789	-	Fuel lines	230610789
230610792	-	Fuel line	230610792
230610793	-	Fuel line	230610793
230610794	-	Fuel line	230610794
230610795	-	Fuel line	230610795
230610796	-	Control box annexe	230610796
230610798	-	Lube oil pump with fastening	230610798
230610799	-	Plate	230610799
230610800	-	Fuel line	230610800
230610801	-	Leak oil line add-on	230610801
230610802	-	Overflow-oil line	230610802
230610803	-	Overflow-oil line	230610803
230610804	-	Overflow-oil line	230610804

Ordering PN

Part number	Version	Description	Ordering PN
230610805	-	Overflow-oil line	230610805
230610808	-	Cylinder head cover assembly	230610808
230610809	-	Cylinder head cover assembly	230610809
230610810	-	Spacer piece	230610810
230610811	-	Fastening pieces assembly	230610811
230610812	-	Fixing parts	230610812
230610813	-	Fixing parts	230610813
230610814	-	Generator add-on	230610814
230610815	-	Belt drive	230610815
230610816	-	Oil sump	230610816
230610825	-	Engine electrics	230610825
230610826	-	Electrical circuit diagram	230610826
230610829	-	Overflow-oil line	230610829
230610830	-	Holder	230610830
230610831	-	Holder	230610831
230610832	-	Holder	230610832
230610833	-	Holder	230610833
230610839	-	Holder	230610839
230610840	-	Holder	230610840
230610846	-	Timing disk	230610846
230610847	-	Piston	230610847
230610848	-	Inlet valve	230610848
230610851	-	Intake stack	230610851
230610855	-	Screw plug	230610855
230610856	-	Camshaft pre-ass.	230610856
230610857	-	Camshaft cpl.	230610857
230610860	-	Steep-angle bearing	230610860
230610861	-	Starter installation	230610861

Ordering PN

Part number	Version	Description	Ordering PN
230610864	-	Pressure transmitter	230610864
230610865	-	V-ripped belt	230610865
230610866	-	Belt pulley	230610866
230610867	-	Fan drive assembly	230610867
230610868	-	Exhaust tc mounting	230610868
230610869	-	Exhaust tc mounting	230610869
230610870	-	Regulation boost pressure	230610870
230610871	-	Plate	230610871
230610872	-	Pipeline	230610872
230610873	-	Pipeline	230610873
230610877	-	Cylinder liner	230610877
230610879	-	Tube	230610879
230610881	-	Tube	230610881
230610883	-	Holder	230610883
230610890	-	Inlet valve seat insert	230610890
230610895	-	Cylinder head	230610895
230610896	-	Connecting elbow	230610896
230610897	-	Vent tube assembly	230610897
230610898	-	Flywheel housing	230610898
230610899	-	Tappet push rod	230610899
230610901	-	Pressure transmitter cpl.	230610901
230610902	-	Hight pressure rail	230610902
230610903	-	Connection f.water pipe	230610903
230610904	-	Housing	230610904
230610905	-	Housing pre-assembled	230610905
230610906	-	Air intake pipe right	230610906
230610908	-	Cover	230610908
230610911	-	Intermediate part	230610911

Ordering PN

Part number	Version	Description	Ordering PN
230610916	-	Camshaft	230610916
230610917	-	Generator, pre-assembled	230610917
230610918	-	Cylinder head	230610918
230610919	-	Cylinder head pre-assy.	230610919
230610922	-	Air intake pipe left	230610922
230610923	-	Air intake pipe right	230610923
230610924	-	Air intake pipe left	230610924
230610927	-	Hose	230610927
230610928	-	Hose clamp	230610928
230610930	-	Flange joint	230610930
230610931	-	Flange joint	230610931
230610932	-	Flange joint	230610932
230610933	-	Flange joint	230610933
230610934	-	Hex screw	230610934
230610935	-	Ring bolt	230610935
230610936	-	Countersunk screw	230610936
230610937	-	Flange joint	230610937
230610938	-	Cable tie	230610938
230610939	-	Cable tie	230610939
230610940	-	Hollow screw	230610940
230610947	-	Parallel pin	230610947
230610949	-	Hex screw	230610949
230610950	-	Hex screw	230610950
230610951	-	Double-ended stud	230610951
230610953	-	Hex screw	230610953
230610954	-	Double-ended stud	230610954
230610959	-	Charge air pipe	230610959
230610960	-	Charge air pipe	230610960

Ordering PN

Part number	Version	Description	Ordering PN
230610961	-	Plate	230610961
230610962	-	Oil cooler housing	230610962
230610963	-	Oil cooler housing	230610963
230610971	-	Spacer piece	230610971
230610972	-	Tightening roller	230610972
230610973	-	Holder	230610973
230610974	-	Holder	230610974
230610975	-	Guide pulley compl.	230610975
230610976	-	Coolant pipe bend	230610976
230610977	-	Coolant pipe bend	230610977
230610979	-	Hight pressure rail	230610979
230610980	-	Spacer piece	230610980
230610981	-	Cable harness	230610981
230610982	-	Cable harness	230610982
230610983	-	Oil cooler housing	230610983
230610984	-	Oil cooler housing	230610984
230610985	-	Hose nipple	230610985
230610986	-	Cable harness mounting	230610986
230610990	-	Exhaust gas turbocharger	230610990
230610991	-	Exhaust gas turbocharger	230610991
230610992	-	Exhaust pipe	230610992
230610993	-	Exhaust pipe	230610993
230610994	-	Exhaust pipe	230610994
230610995	-	Exhaust pipe	230610995
230610996	-	Pipeline	230610996
230610997	-	Pipeline	230610997
230610998	-	V-belt pulley pre-ass.	230610998
230610999	-	Holder	230610999

Ordering PN

Part number	Version	Description	Ordering PN
230611000	-	Holder	230611000
230611005	-	Cylinder head cover	230611005
230611006	-	Cylinder head cover assembly	230611006
230611009	-	Water pump, pre-assembled	230611009
230611010	-	Hex screw	230611010
230611013	-	Locking ring	230611013
230611015	-	Cable tie	230611015
230611091	-	Ring	230611091
230611109	-	Hex screw	230611109
230611118	-	Hex nut	230611118
230611370	-	Hex screw	230611370
230611371	-	Hex screw	230611371
230611378	-	Hex screw	230611378
230611441	-	Hex screw	230611441
230611456	-	O-ring	230611456
230611462	-	Hex screw	230611462
230611470	-	Hex screw	230611470
230611473	-	Hex screw	230611473
230611489	-	Hex screw	230611489
230611490	-	Hex screw	230611490
230611494	-	Screw	230611494
230611521	-	Hex screw	230611521
230611544	-	Hex screw	230611544
230611644	-	Company name plate	230611644
230611645	-	Breather	230611645
230611648	-	Belt	230611648
230611687	-	Socket head screw	230611687
230611926	-	Rubber sleeve	230611926

Ordering PN

Part number	Version	Description	Ordering PN
230611936	-	Dipstick	230611936
230611942	-	Company name plate	230611942
230611946	-	Screw	230611946
230611949	-	Washer	230611949
230611951	-	Nut	230611951
230611956	-	Filter head	230611956
230611960	-	Dipstick	230611960
230611961	-	Screw	230611961
230611963	-	Lipseal	230611963
230611965	-	Crankshaft	230611965
230611966	-	Vibration damper	230611966
230611967	-	Oil module assembly	230611967
230611968	-	HP pump	230611968
230611969	-	Fuel filter	230611969
230611971	-	Oil pump	230611971
230611973	-	Bushing	230611973
230611974	-	Axis	230611974
230611975	-	Nut	230611975
230611979	-	Pulley	230611979
230611980	-	Bushing	230611980
230611981	-	Bearing	230611981
230611982	-	Brace	230611982
230611983	-	Snap ring	230611983
230611985	-	Wiring harness	230611985
230611986	-	Wiring harness	230611986
230611987	-	Fuel filter	230611987
230611988	-	Oil module left	230611988
230611989	-	Oil module right	230611989

Ordering PN

Part number	Version	Description	Ordering PN
230611990	-	Crankshaft	230611990
230611991	-	Vibration damper	230611991
230611992	-	Ring	230611992
230611993	-	Screw	230611993
230611994	-	Injection pump	230611994
230611996	-	Covering caps - kit	230611996
230611997	-	O-ring	230611997
230611998	-	O-ring	230611998
230611999	-	O-ring	230611999
230612233	-	Blanking plug	230612233
230612234	-	Blanking plug	230612234
230612245	-	Compression ring	230612245
230612246	-	Connection piece	230612246
230612268	-	Cylinder head cover	230612268
230612269	-	Cylinder head cover	230612269
230612274	-	Double banjo bolt	230612274
230612277	-	Double banjo bolt	230612277
230612295	-	Fitting	230612295
230612312	-	Hex nut	230612312
230612321	-	Hex screw	230612321
230612322	-	Hex screw	230612322
230612329	-	Hex screw	230612329
230612330	-	Hex screw	230612330
230612331	-	Hex screw	230612331
230612337	-	Hex screw	230612337
230612359	-	Hollow screw	230612359
230612360	-	Hollow screw	230612360
230612361	-	Hollow screw	230612361

Ordering PN

Part number	Version	Description	Ordering PN
230612373	-	Injector with fastening	230612373
230612376	-	Intake stack assembly	230612376
230612402	-	O-ring	230612402
230612403	-	O-ring	230612403
230612438	-	Sealing plug	230612438
230612439	-	Sheet	230612439
230612440	-	Socket head screw	230612440
230612441	-	Socket head screw	230612441
230612443	-	Socket head screw	230612443
230612690	-	Screw stopper	230612690
230612691	-	Screw plug	230612691
230612692	-	Cover lid	230612692
230612693	-	Sealing plug	230612693
230612718	-	Cover lid	230612718
230612721	-	Hex screw	230612721
230612726	-	Volum control valve	230612726
230612743	-	Rk volum control valve	230612743
230612744	-	Mounting requirement	230612744
230612767	-	Seal kit prefeeding pump	230612767
230612790	-	Crankshaft rotational speed sensor	230612790
230612791	-	Camshaft rotational speed sensor	230612791
230612792	-	Crankshaft rotational speed sensor	230612792
230612793	-	Camshaft rotational speed sensor	230612793
230612814	-	Seal kit high pressure pump	230612814
230612815	-	Rk pre-feed pump	230612815
230612816	-	Covering caps - kit	230612816
230612823	-	Prefeeding pump	230612823
230612824	-	Screw cap	230612824

Ordering PN

Part number	Version	Description	Ordering PN
230612828	-	Motor control device	230612828
230612873	-	Hex screw	230612873
230612874	-	Hex screw	230612874
230612875	-	Spherical washer	
230612876	-	End cover	230612876
230612882	-	Hex screw	230612882
230612883	-	Hex screw	230612883
230612919	-	Hex screw	230612919
230612922	-	Hex screw	230612922
230612938	-	Tube	230612938
230612939	-	Hex screw	230612939
230612940	-	Tube	230612940
230612941	-	Hex screw	230612941
230612942	-	Flywheel housing	230612942
230612943	-	Hex screw	230612943
230612944	-	Hex screw	230612944
230612945	-	O-ring	230612945
230612946	-	Grub screw	230612946
230612952	-	Rk injector	230612952
230612961	-	Holder	230612961
230612963	-	Distance sleeve	230612963
230612966	-	Rk injector	230612966
230612967	-	Injector	230612967
230612972	-	Vent tube assembly	230612972
230612974	-	Ventilation line	230612974
230612975	-	Ventilation line	230612975
230612976	-	Ventilation line	230612976
230612977	-	Ventilation line	230612977

Ordering PN

Part number	Version	Description	Ordering PN
230612978	-	Ventilation line	230612978
230612979	-	Holder	230612979
230612980	-	Ventilation line	230612980
230612981	-	Ventilation line	230612981
230612982	-	Ventilation line	230612982
230612983	-	Ventilation line	230612983
230612984	-	Ventilation line	230612984
230612985	-	Plate	230612985
230612986	-	Pipeline	230612986
230612987	-	Pipeline	230612987
230612988	-	Pipeline	230612988
230612989	-	Pipeline	230612989
230612990	-	Pipe clamp	230612990
230612993	-	Hex screw	230612993
230612994	-	Holder	230612994
230612995	-	Regulation boost pressure	230612995
230612996	-	Pipeline	230612996
230612997	-	Pipeline	230612997

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