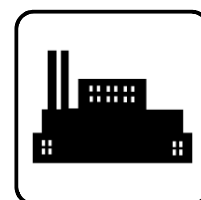


Service Parts

Engine



Engine Models:

KD27V12, 60 Hz

Generator Models:

KD800

KD900

KD1000

KOHLER®

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Engine KOHLER KD27V12 SAE 0/18

10101004902

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
10	230610653	-	Crankcase cpl.	1	UN		5
12	230610885	-	Power unit support attachment	1	UN		7
14	230610275	-	Final control valve	1	UN		10
15	230610570	-	Piston cooling	12	UN		11
16	230610858	-	Crankcase breather assembly	1	UN		12
17	230610502	-	Locking pieces	1	UN		19
20	230610154	-	Oil sump with fastening	1	UN		21
21	230611936	-	Dipstick	1	UN		23
23	230610257	-	Oil filler inlet	1	UN		24
40	230610155	-	Cylinder	12	UN		26
50	230611937	-	Crankshaft	1	UN		
51	230610572	-	Crankshaft bearings	1	UN		27
52	230610566	-	Crankshaft sealing	1	UN		28
53	230610892	-	Driving parts	1	UN		29
60	230610060	-	Connecting rod assembly	12	UN		30
70	230610224	-	Piston cpl.	12	UN		31

Engine KOHLER KD27V12 SAE 0/18

10101004902

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
80	230610153	-	Cylinder head assembly	12	UN		32
81	230610160	-	Rocker arms device cpl.	12	UN		35
82	230610073	-	Cylinder head cover assembly	12	UN		37
100	230610850	-	Camshaft cpl.	1	UN		38
110	230610492	-	Control parts	12	UN		40
130	230610220	-	Oil module assembly	1	UN		41
140	230610231	-	Lube oil pump with fastening	1	UN		43
171	230610232	-	High pressure pump w.fastening	2	UN		44
180	230610166	-	Drive for high pressure pump	1	UN		51
190	230610673	-	Injector with fastening	12	UN		52
191	230610251	-	High pressure connector	12	UN		54
201	230610178	-	Fuel fine-filter assembly	1	UN		57
212	230610854	-	Fuel lines	1	UN		59
213	230610133	-	High pressure pipe assembly	1	UN		62
214	230610853	-	Leak oil line add-on	1	UN		63
220	230610907	-	Air intake assembly	1	UN		66

Engine KOHLER KD27V12 SAE 0/18

10101004902

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
221	230610755	-	Intake stack assembly	1	UN		67
231	230610752	-	Connecting line add-on	1	UN		69
232	230610891	-	Charge air line assembly	1	UN		70
260	230610595	-	Cover	1	UN		71
370	230610230	-	Water pump with fastening	1	UN		72
380	230610925	-	Thermostat housing assembly	1	UN		73
381	230610893	-	Vent tube assembly	1	UN		75
382	230610550	-	Coolant pipe bend add-on	1	UN		77
385	230610685	-	Connection f.water pipe	2	UN		78
390	230610900	-	Fan drive assembly	1	UN		79
410	230610681	-	Exhaust pipe assembly	1	UN		81
412	230610909	-	Outlet manifold add-on	1	UN		82
430	230610294	-	Exhaust tc mounting	1	UN		83
431	230610295	-	Exhaust tc mounting	1	UN		85
434	230610147	-	Outlet manifold add-on	1	UN		87
436	230610774	-	Regulation boost pressure	1	UN		88

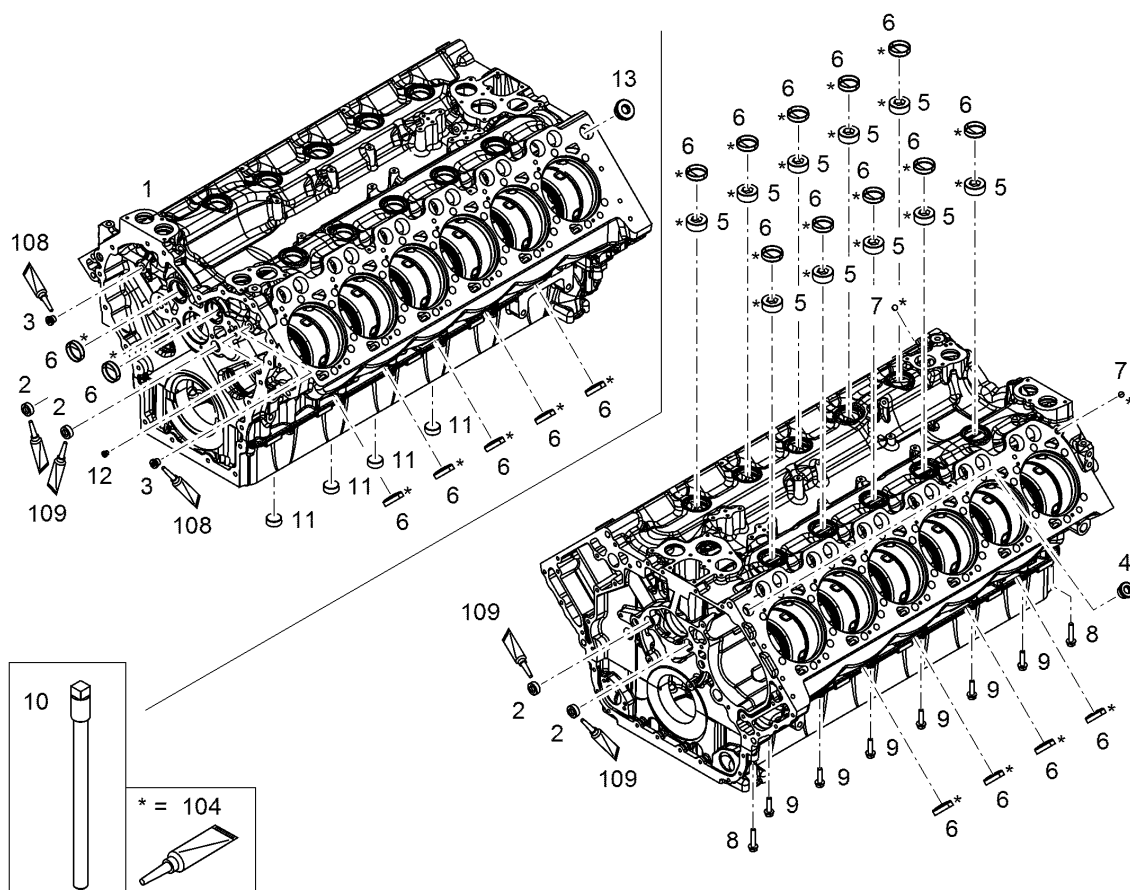
Engine KOHLER KD27V12 SAE 0/18

10101004902

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
441	230610047	-	Generator add-on	1	UN		90
443	230610659	-	Belt drive	1	UN		91
450	230610156	-	Starter installation	1	UN		92
452	230610221	-	Locking pieces	1	UN		94
460	230610817	-	Fastening pieces assembly	1	UN		95
480	230610571	-	Lifting device	1	UN		96
520	230610889	-	Flywheel housing mounting	1	UN		97
521	230610434	-	Control plate assembly	2	UN		99
530	230610364	-	Flywheel assembly	1	UN		100
570	230610875	-	Motor control device	1	UN		101
571	230610767	-	Control box annexe	1	UN		102
580	230610175	-	Cable harness mounting	1	UN		104
581	230610679	-	Engine control sensors	1	UN		105
992	230610822	-	Engine electrics	1	UN		111

Crankcase cpl. 230610653

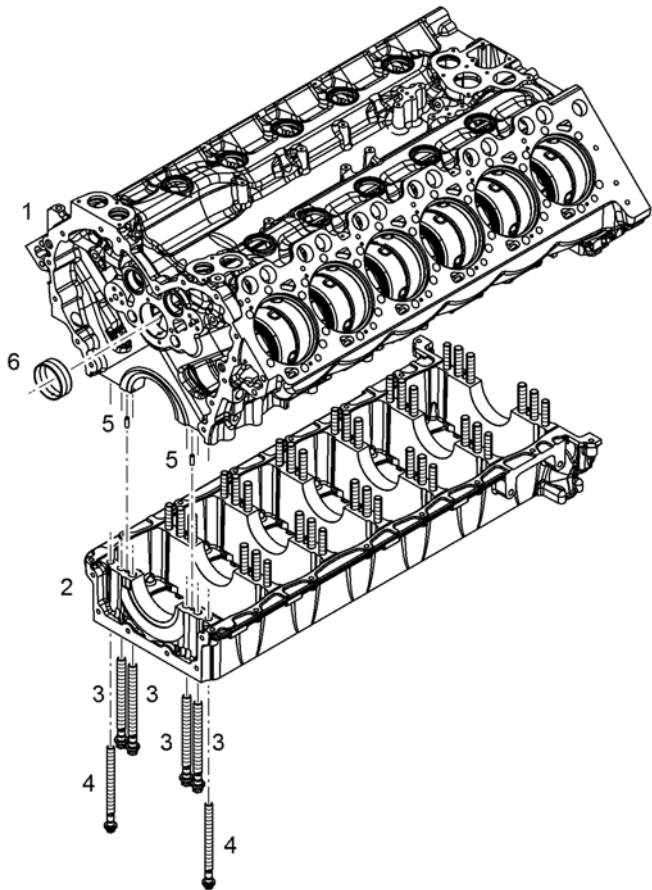
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611931	-	Crankcase	1	UN			6
2	230610758	-	Screw plug	4	UN			
3	230610065	-	Screw plug	2	UN			
4	230610071	-	Screw plug	1	UN			
5	230610720	-	Screw plug	10	UN			
6	230610478	-	End cover	21	UN			
7	230610481	-	Ball	2	UN			
8	230610472	-	Hex screw	4	UN			
9	230610471	-	Hex screw	12	UN			
10	230610525	-	Special tool	1	UN			
11	230610373	-	Screw plug	4	UN			
12	230610063	-	Screw plug	1	UN			
13	230610070	-	Screw plug	1	UN			
104	230610431	-	Glue	1	UN			
108	230610430	-	Sealant	1	UN			
109	230611017	-	Screw locking	1	UN			



Crankcase

230611931

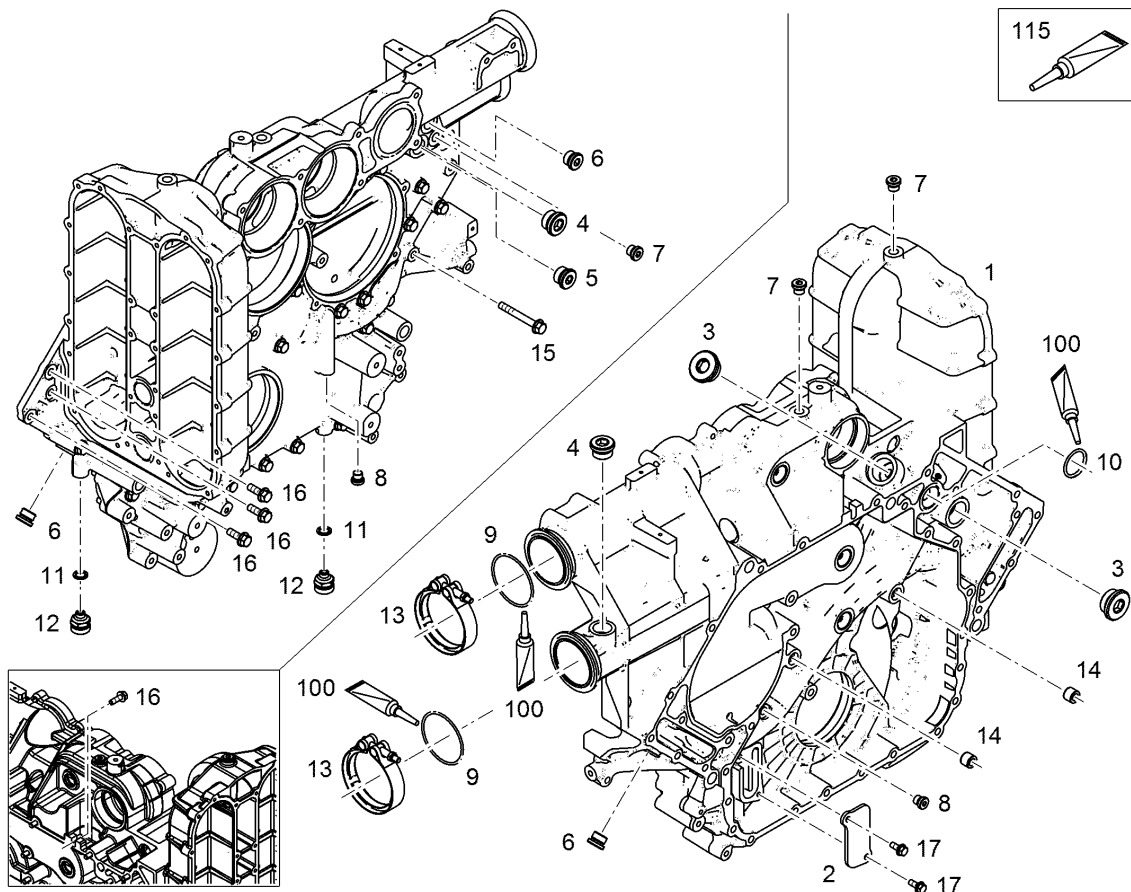
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611959	-	Crankcase	1	UN			
2	230610742	-	Bedplate engine	1	UN			
3	230610343	-	Hexalobular head screw	28	UN			
4	230610573	-	Hexalobular head screw	14	UN			
5	230610404	-	Parallel pin	14	UN			
6	230610433	-	Camshaft bearing	7	UN			



Power unit support attachment

230610885

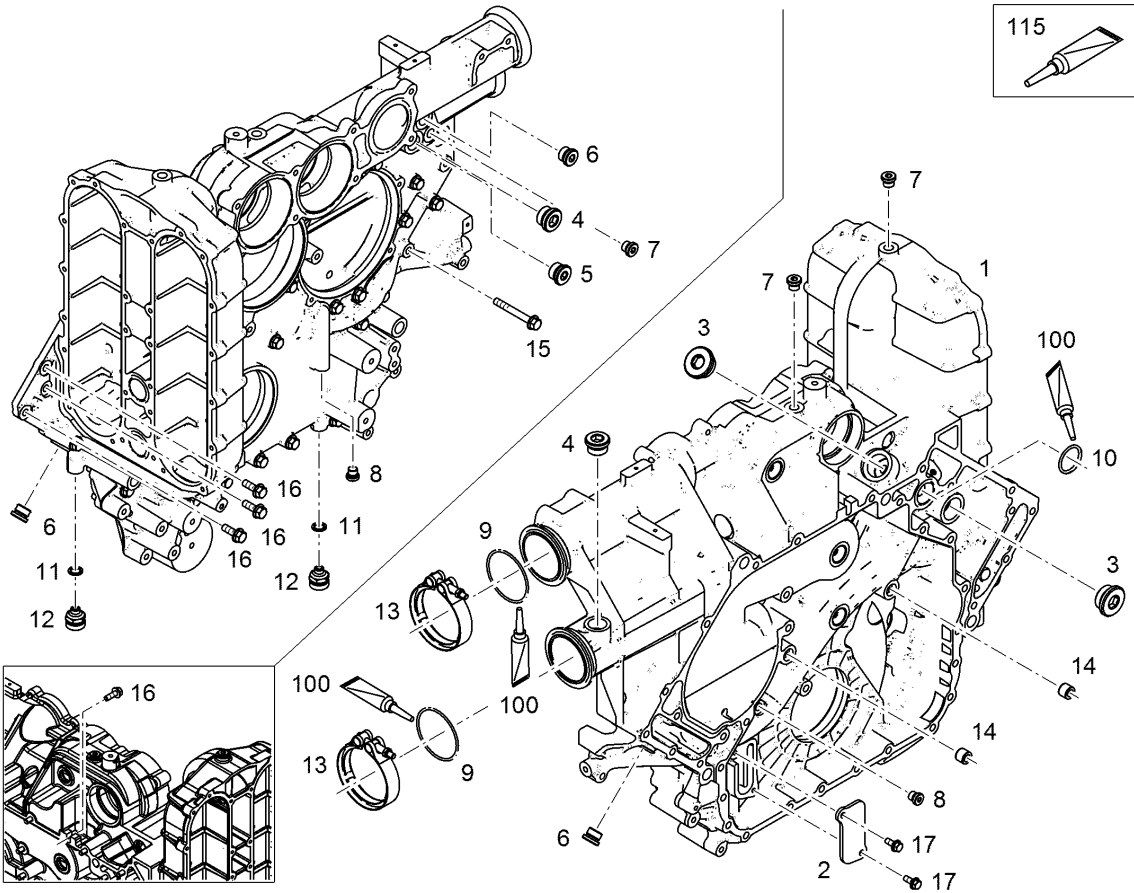
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610884	-	Aggregate support pre-ass.	1	UN		
2	230610676	-	Cover	1	UN		
3	230610070	-	Screw plug	2	UN		
4	230610071	-	Screw plug	2	UN		
5	230610066	-	Screw plug	1	UN		
6	230610411	-	Screw plug	3	UN		
7	230610065	-	Screw plug	3	UN		
8	230610064	-	Screw plug	2	UN		
9	230610207	-	O-ring	2	UN		
10	230610203	-	O-ring	1	UN		
11	230610056	-	Sealing ring	2	UN		
12	230610273	-	Valve	2	UN		
13	230610100	-	Retainer clip	2	UN		
14	230610510	-	Tight fit sleeve	2	UN		
15	230612322	-	Hex screw	36	UN		
16	230610323	-	Hex screw	4	UN		



Power unit support attachment

230610885

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610318	-	Hex screw	2	UN			
100	230610702	-	Grease	1	UN			9
115	230610710	-	Surface sealing	1	UN			



Grease

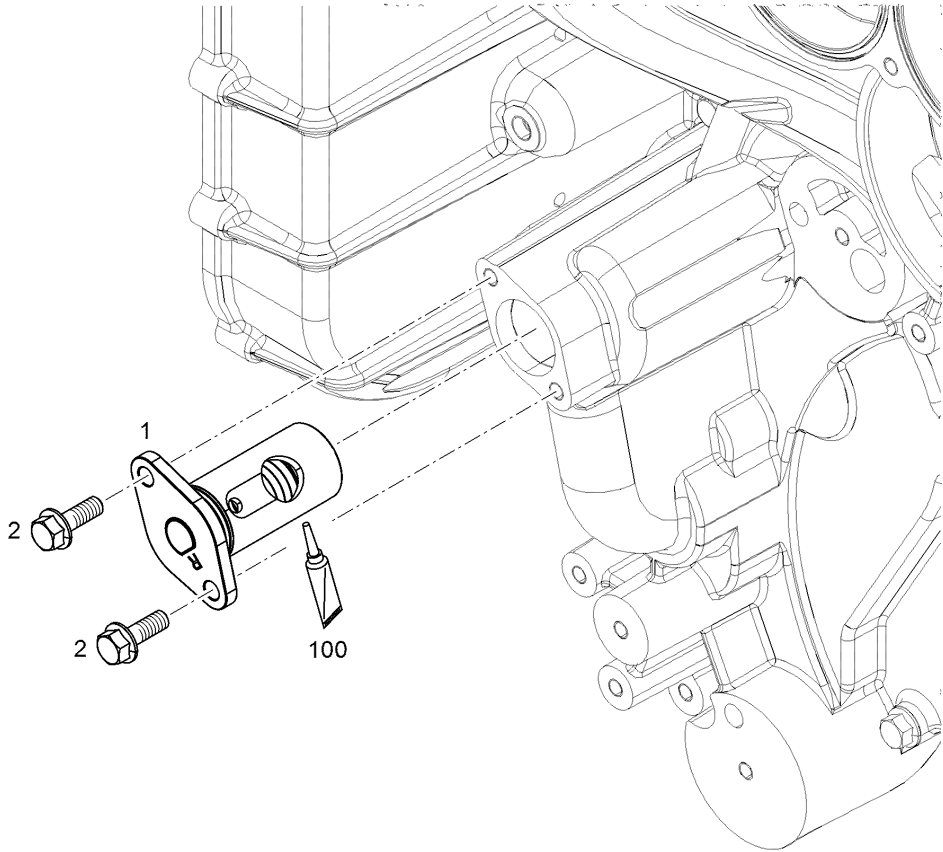
230610702

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
10	230612310	-	Grease	1	UN		

Our apologies:
No illustration is currently
available.

Final control valve
230610275

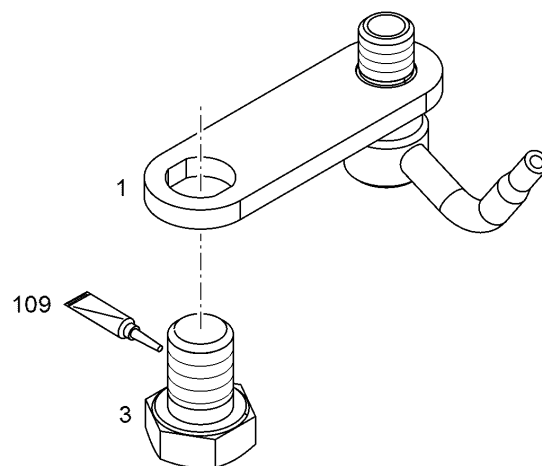
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1	230610657	-	Pressure limiting valve	1	UN			
2	230610323	-	Hex screw	2	UN			
100	230610702	-	Grease	1	UN			9



Piston cooling

230610570

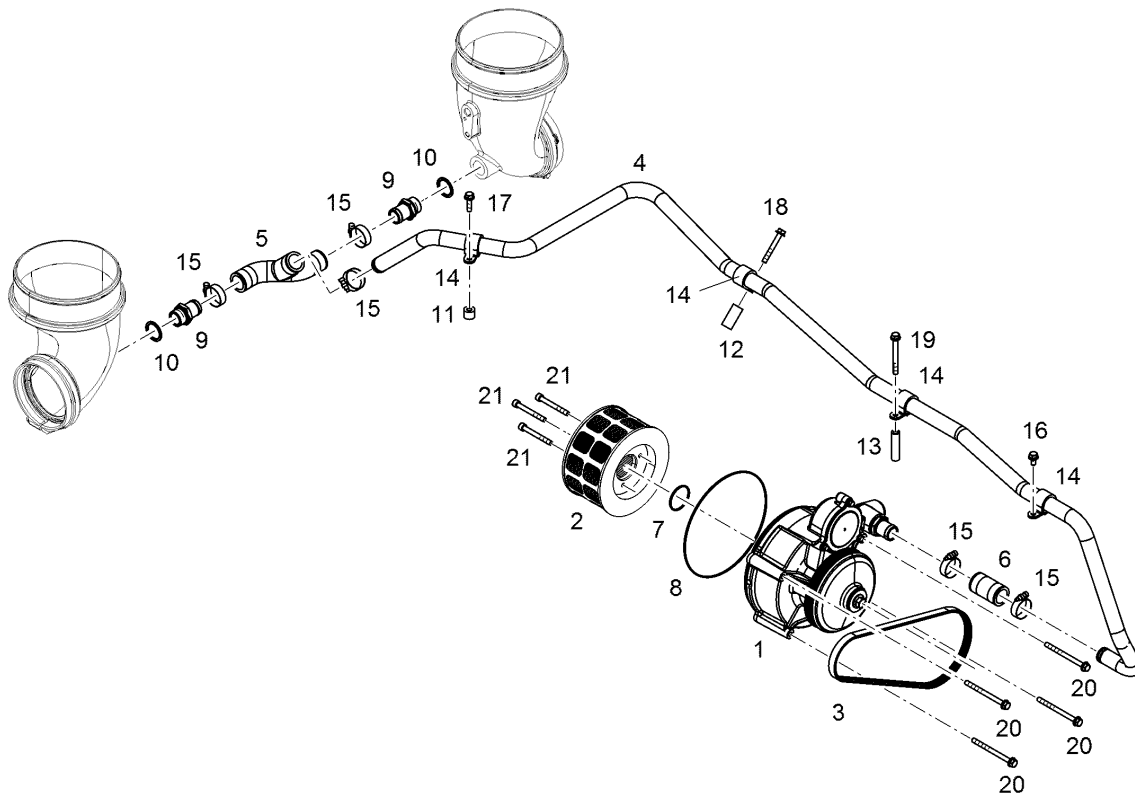
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610760	-	Nozzle pre-ass.	1	UN		
3	230610482	-	Hex screw	1	UN		
109	230611017	-	Screw locking	1	UN		



Crankcase breather assembly

230610858

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610258	-	Crankcase breather pre-ass.	1	UN			14
2	230610369	-	Spare element	1	UN			
3	230612002	-	Belt	1	UN			
4	230611649	-	Pipeline	1	UN			
						04.11.2017 ->	->	
4	230611021	-	Reworking kit CCV valve	1	UN		04.10.2017	16
5	230610218	-	Rubber connection	1	UN			
6	230610213	-	Rubber connection	1	UN			
7	230610201	-	O-ring	1	UN			
8	230610210	-	O-ring	1	UN			
9	230610254	-	Hose nipple	2	UN			
10	230610054	-	Sealing ring	2	UN			
11	230610450	-	Spacer piece	1	UN			
12	230610171	-	Distance sleeve	1	UN			
13	230610168	-	Distance sleeve	1	UN			
14	230610094	-	Clamp	4	UN			



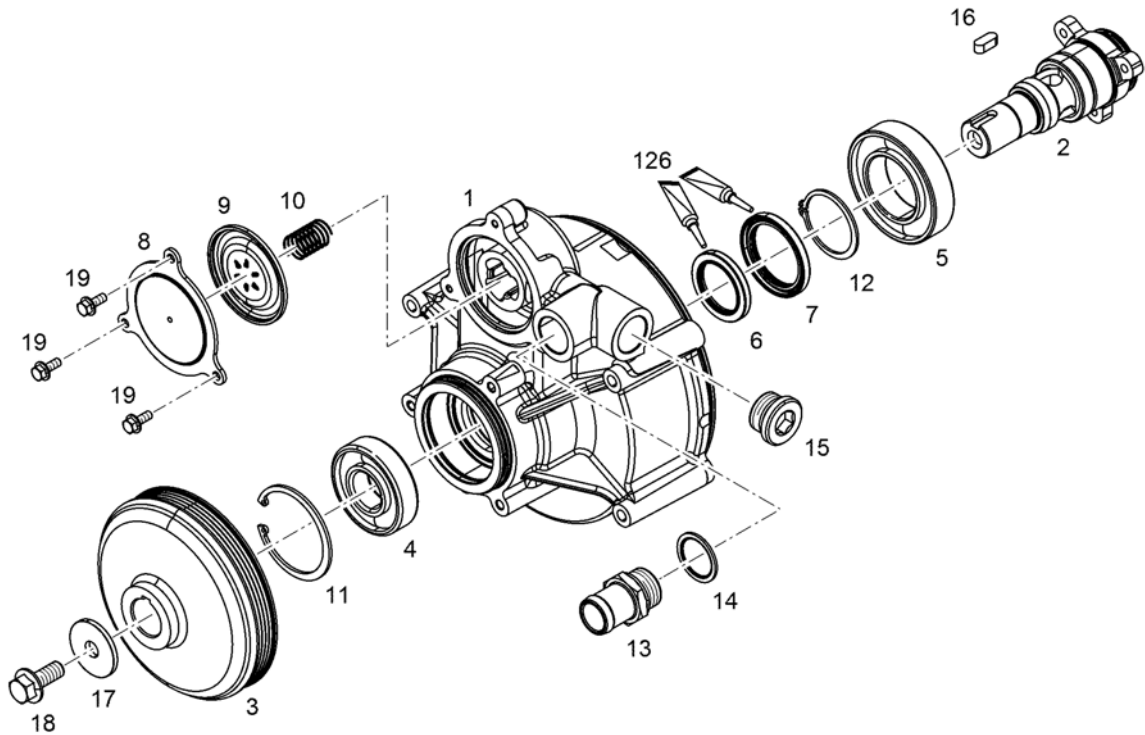
230610858

230610858



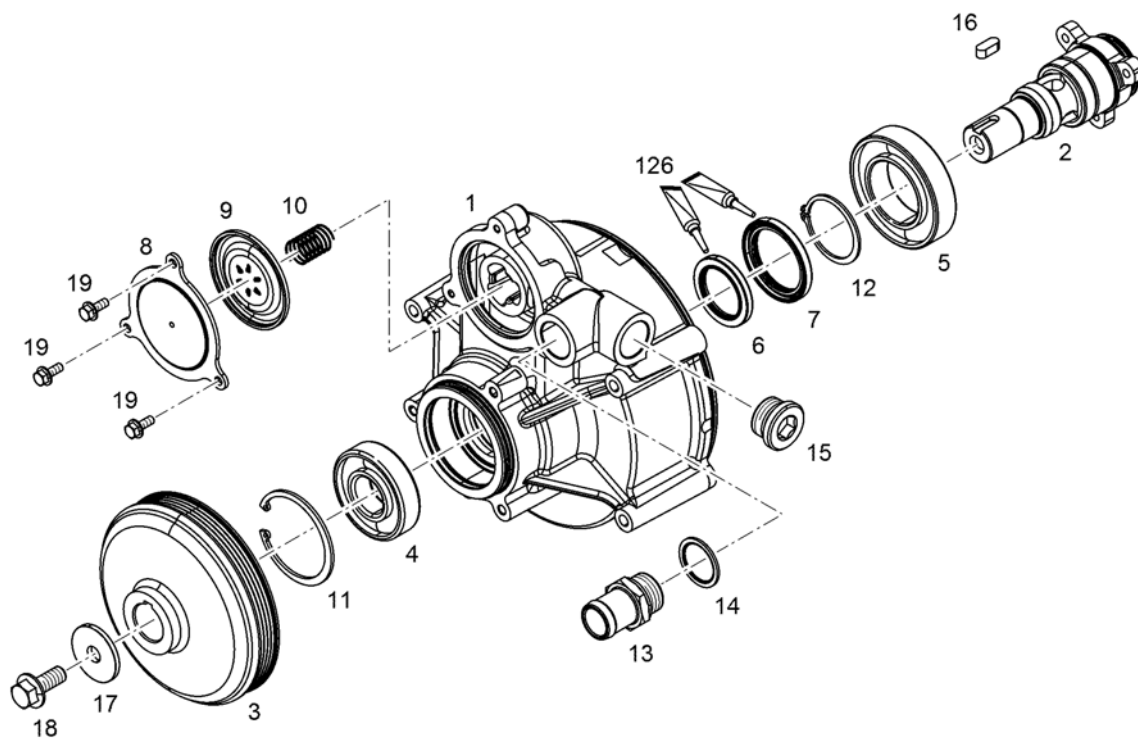
Crankcase breather pre-ass. 230610258

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610912	-	Crankcase breather	1	UN		
2	230610835	-	Drive shaft	1	UN		
3	230610234	-	Belt pulley	1	UN		
4	230610675	-	Deep groove ball bearing	1	UN		
5	230610674	-	Deep groove ball bearing	1	UN		
6	230610465	-	Rotary shaft lip seal	1	UN		
7	230610466	-	Rotary shaft lip seal	1	UN		
8	230610913	-	Cover	1	UN		
9	230610219	-	Membrane	1	UN		
10	230610259	-	Pressure spring	1	UN		
11	230610380	-	Locking ring	1	UN		
12	230610379	-	Locking ring	1	UN		
13	230610254	-	Hose nipple	1	UN		
14	230610054	-	Sealing ring	1	UN		
15	230610071	-	Screw plug	1	UN		
16	230611014	-	Fitting key	1	UN		



Crankcase breather pre-ass. 230610258

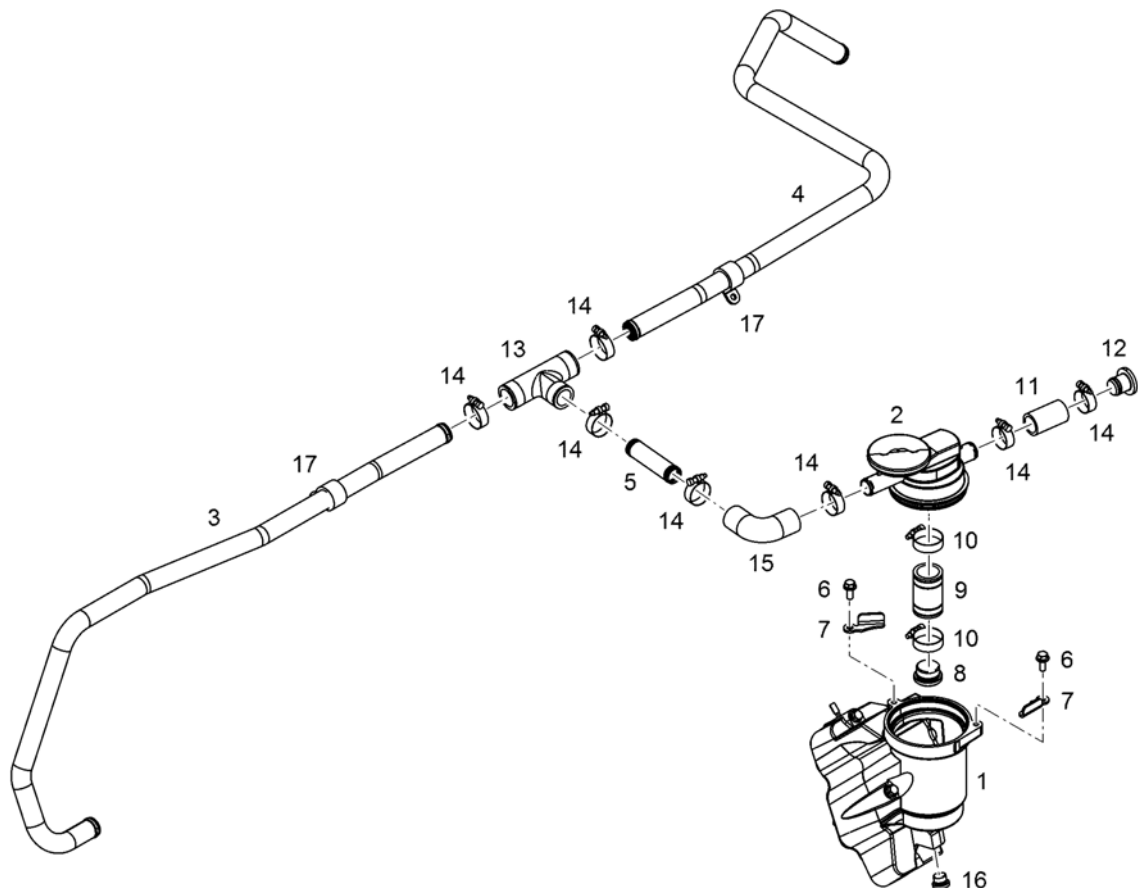
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
17	230610262	-	Washer	1	UN		
18	230610332	-	Hex screw	1	UN		
19	230610312	-	Hex screw	3	UN		
126	230611941	-	Grease	1	UN		



Reworking kit CCV valve

230611021

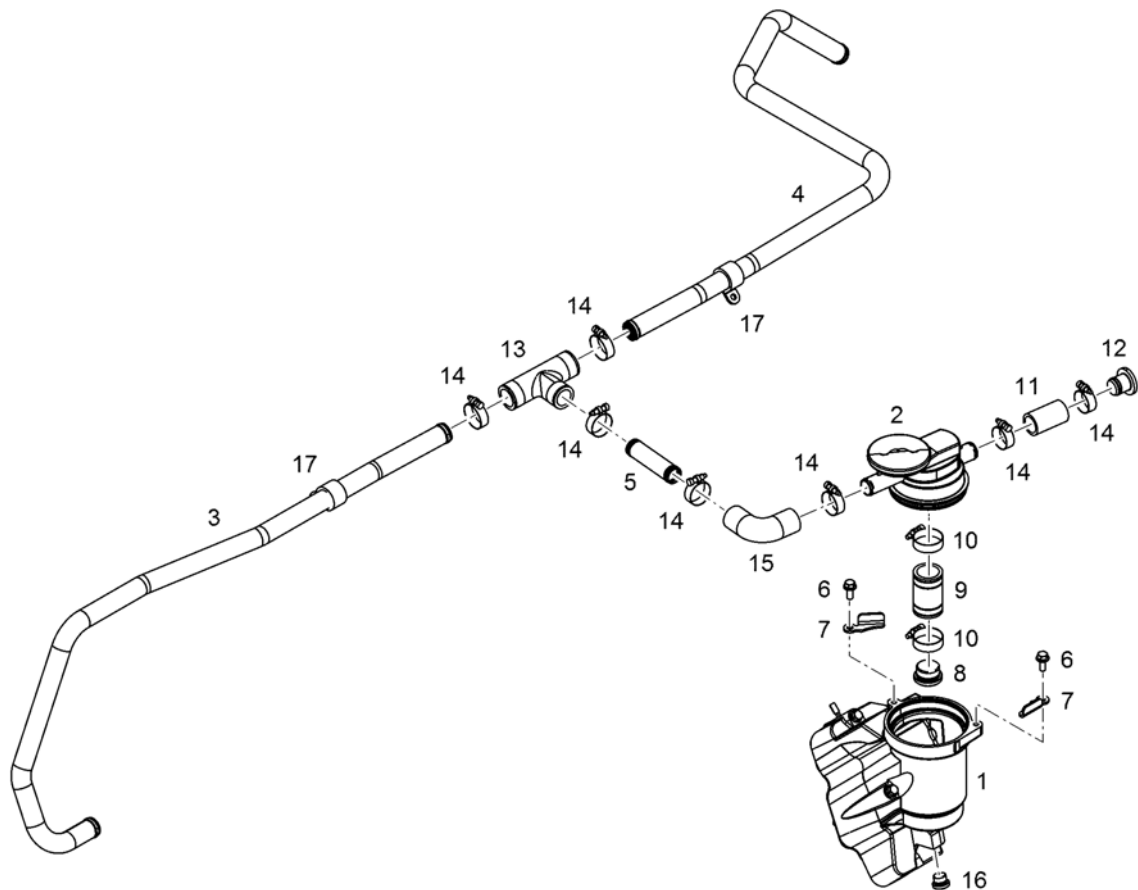
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611006	-	Cylinder head cover assembly	1	UN		18
2	230612784	-	Oil separator	1	UN		
3	230612787	-	Pipeline	1	UN		
4	230612788	-	Pipeline	1	UN		
5	230612783	-	Oil line	1	UN		
6	230611470	-	Hex screw	2	UN		
7	230610538	-	Holder	2	UN		
8	230610069	-	Screw plug	1	UN		
9	230612794	-	Rubber connection	1	UN		
10	230612780	-	Hose clamp	2	UN		
11	230610449	-	Rubber connection	1	UN		
12	230612800	-	Stop plug	1	UN		
13	230612795	-	Rubber connection	1	UN		
14	230610085	-	Hose clamp	7	UN		
15	230610455	-	Rubber connection	1	UN		
16	230610415	-	Screw plug	1	UN		



Reworking kit CCV valve

230611021

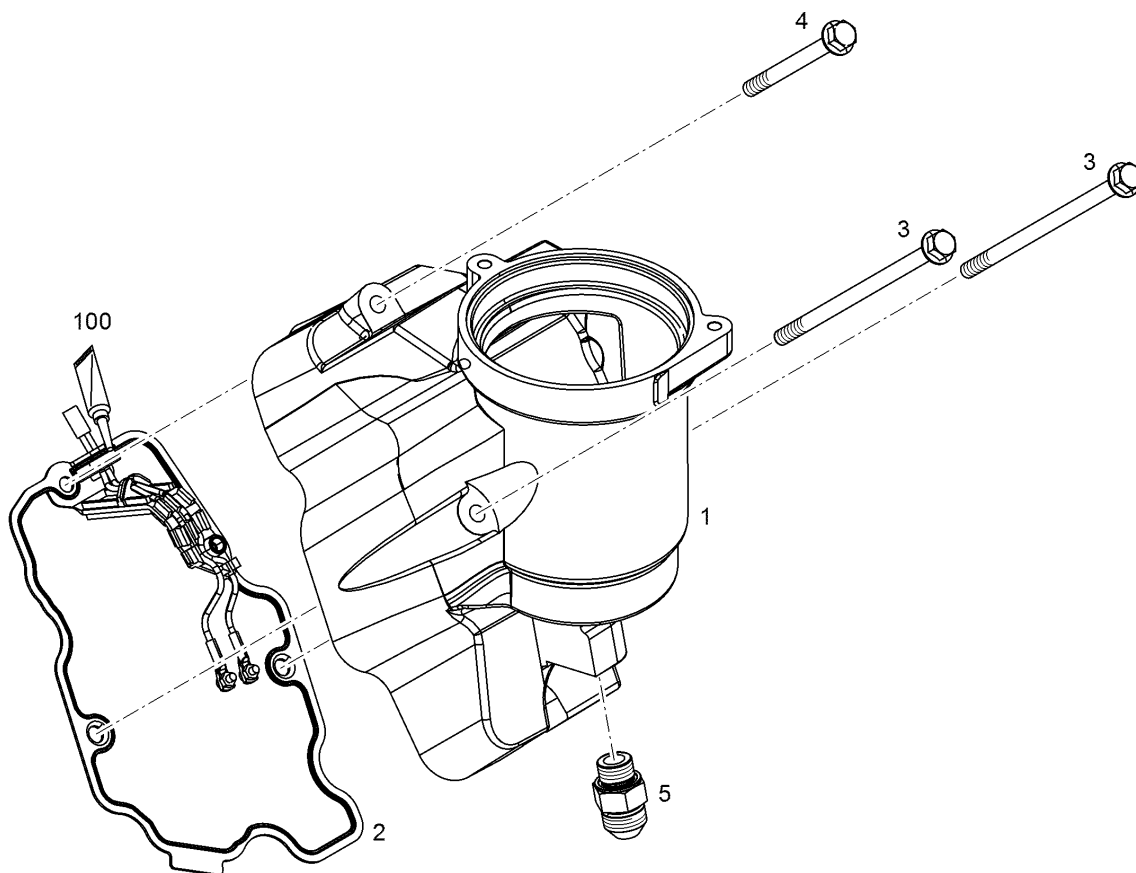
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17	230610094	-	Clamp	2	UN		



Cylinder head cover assembly

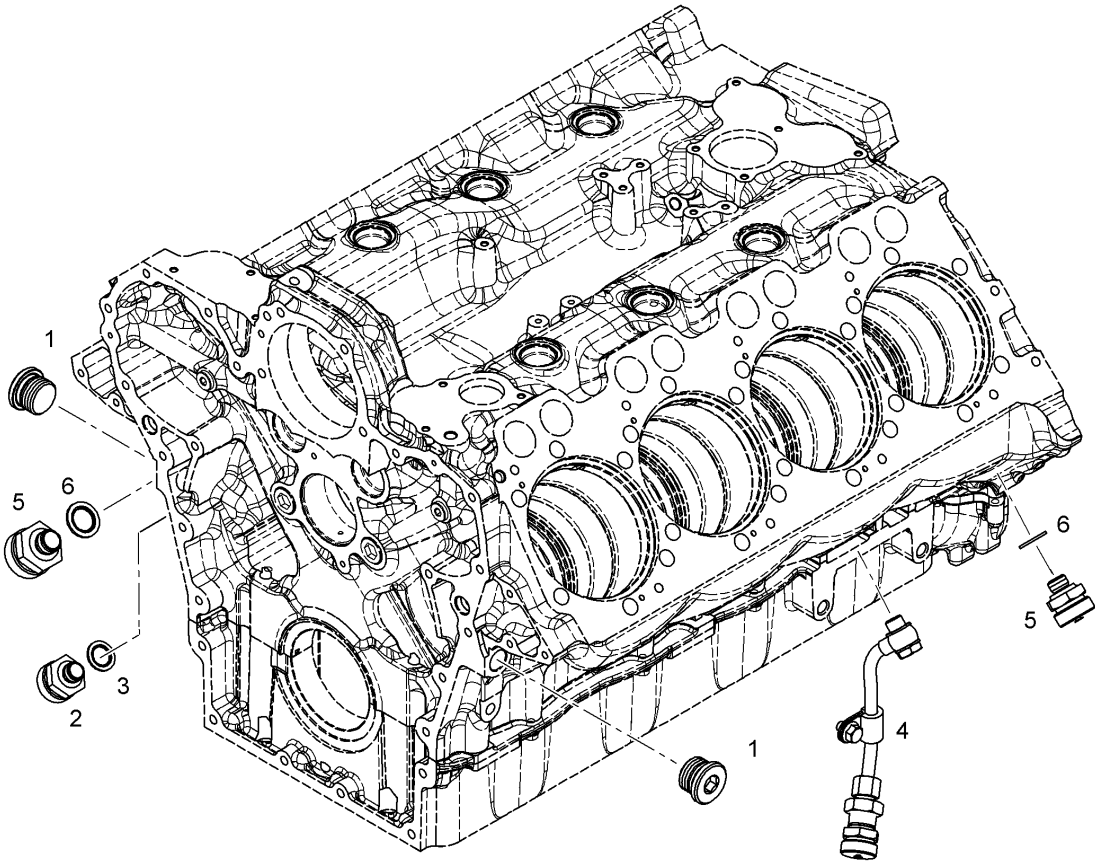
230611006

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611005	-	Cylinder head cover	1	UN		
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		



Locking pieces 230610502

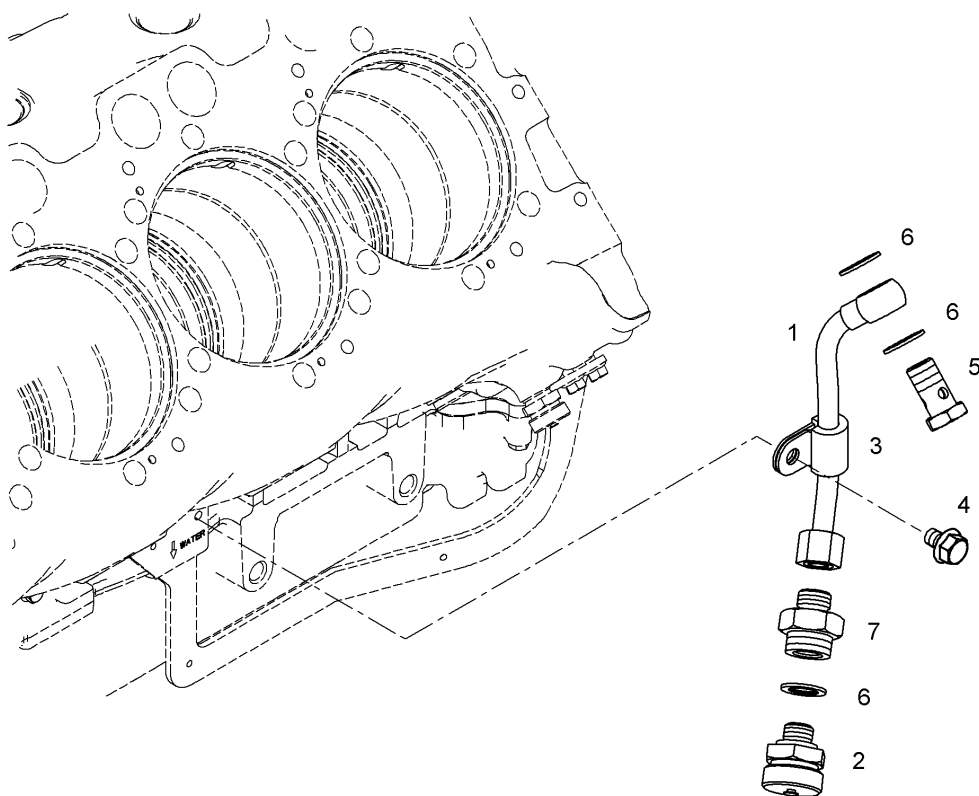
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1	230610066	-	Screw plug	2	UN			
2	230610273	-	Valve	1	UN			
3	230610056	-	Sealing ring	1	UN			
4	230610498	-	Pipeline installation	1	UN			20
5	230610276	-	Drain valve	2	UN			
6	230610059	-	Sealing ring	2	UN			



Pipeline installation

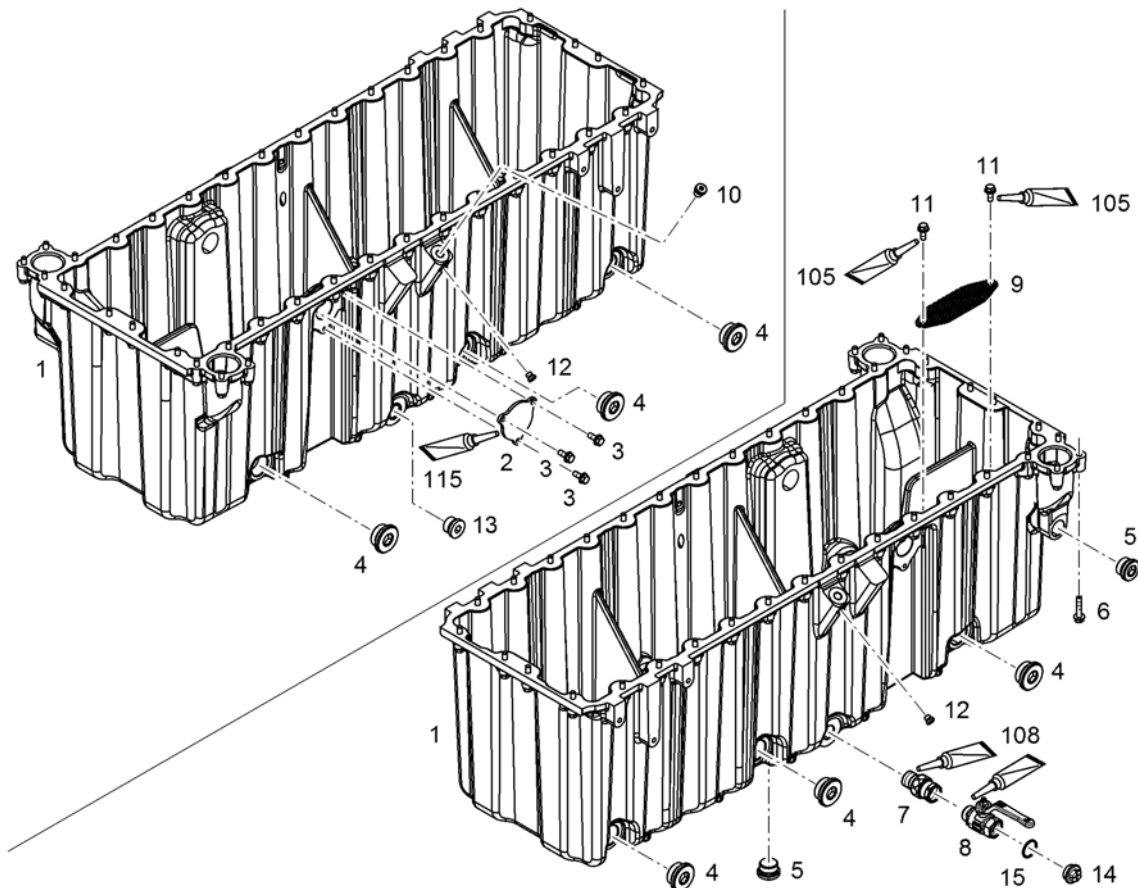
230610498

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610497	-	Pipeline	1	UN		
2	230610273	-	Valve	1	UN		
3	230610087	-	Clamp	1	UN		
4	230611470	-	Hex screw	1	UN		
5	230612360	-	Hollow screw	1	UN		
6	230610056	-	Sealing ring	3	UN		
7	230610499	-	Fittings	1	UN		



Oil sump with fastening 230610154

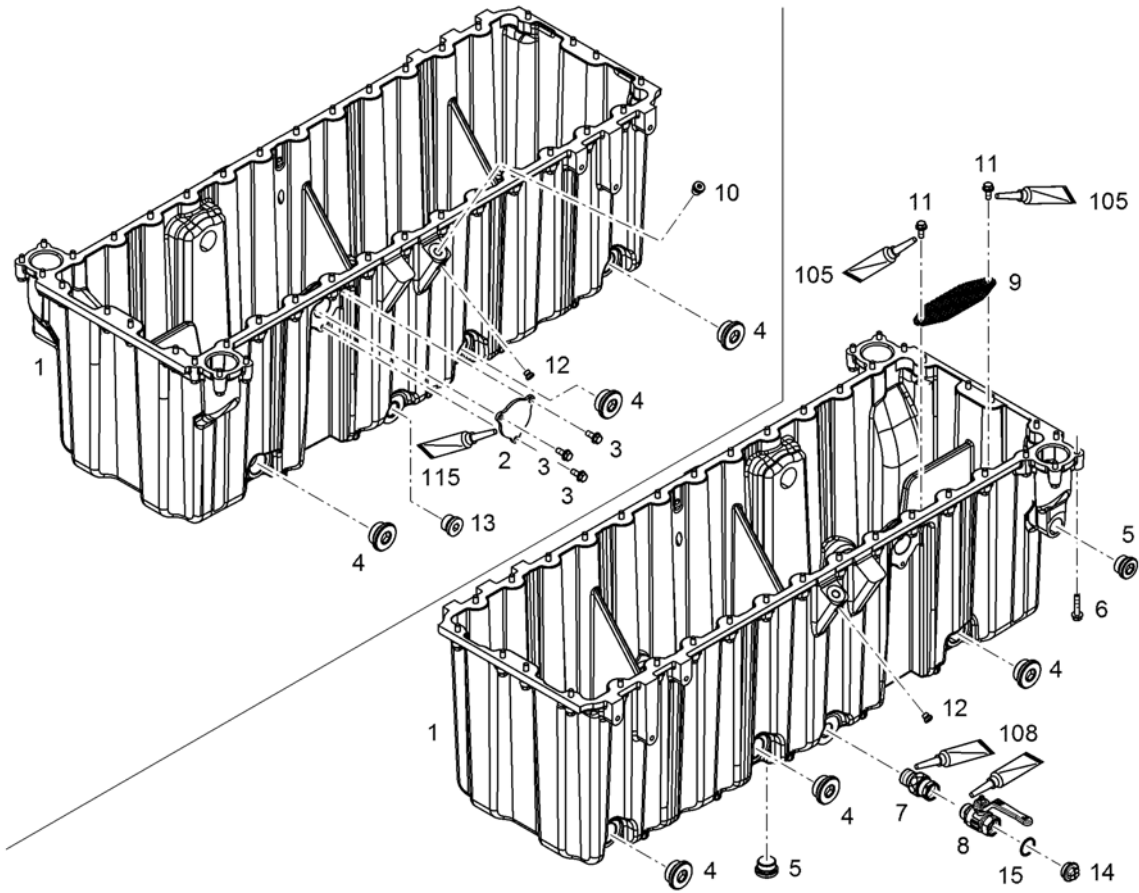
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611943	-	Oil sump	1	UN			
2	230610602	-	Plate	1	UN			
3	230611470	-	Hex screw	3	UN			
4	230610070	-	Screw plug	6	UN			
5	230610071	-	Screw plug	2	UN			
6	230610324	-	Hex screw	38	UN			
7	230610252	-	Double nipple	1	UN			
8	230610274	-	Shut-off valve	1	UN			
9	230610668	-	Perforated plate	1	UN			
10	230610064	-	Screw plug	1	UN			
11	230610318	-	Hex screw	2	UN			
12	230610063	-	Screw plug	2	UN			
13	230610067	-	Screw plug	1	UN			
14	230612438	-	Sealing plug	1	UN			
15	230612402	-	O-ring	1	UN			
105	230611017	-	Screw locking	1	UN			



Oil sump with fastening

230610154

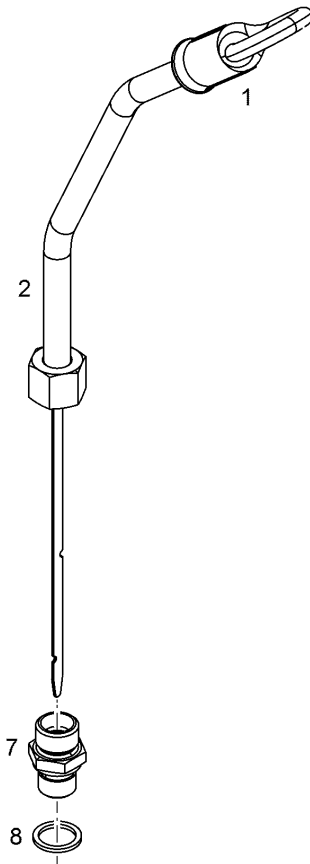
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
108	230611016	-	Sealing compound	1	UN			
115	230610710	-	Surface sealing	1	UN			



Dipstick

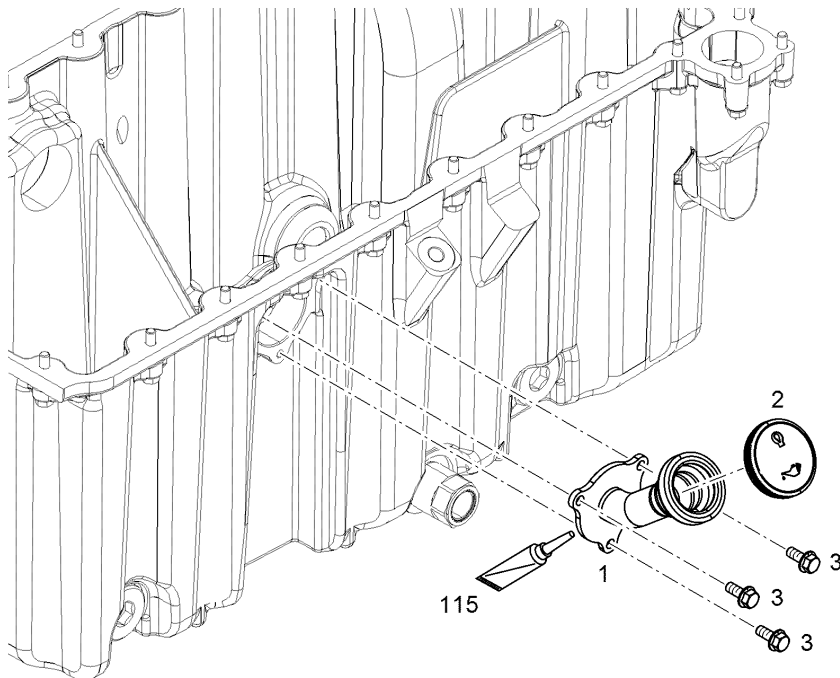
230611936

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611960	-	Dipstick	1	UN		
2	230610546	-	Guiding pipe	1	UN		
7	230610442	-	Fittings	1	UN		
8	230610409	-	Sealing ring	1	UN		



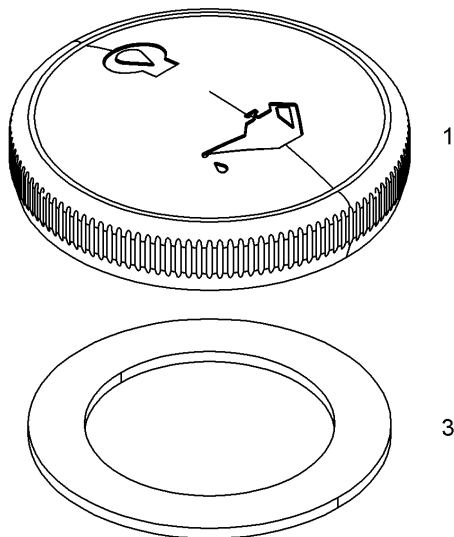
Oil filler inlet 230610257

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

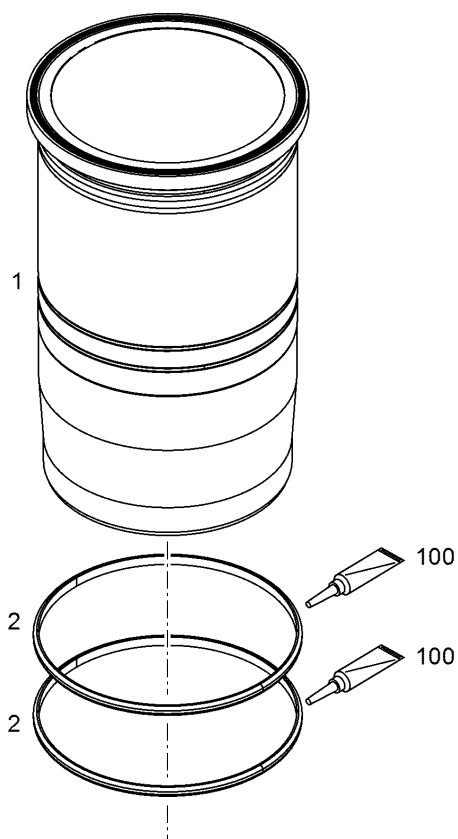
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3	230610445	-	Seal	1	UN		



Cylinder

230610155

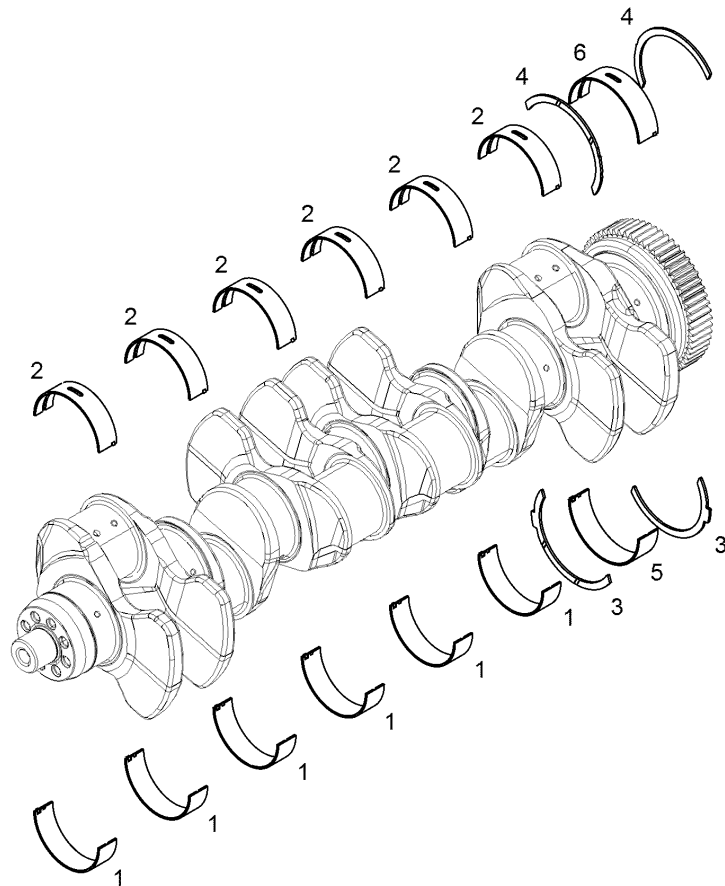
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610877	-	Cylinder liner	1	UN		
2	230611456	-	O-ring	2	UN		
100	230610702	-	Grease	1	UN		9



Crankshaft bearings

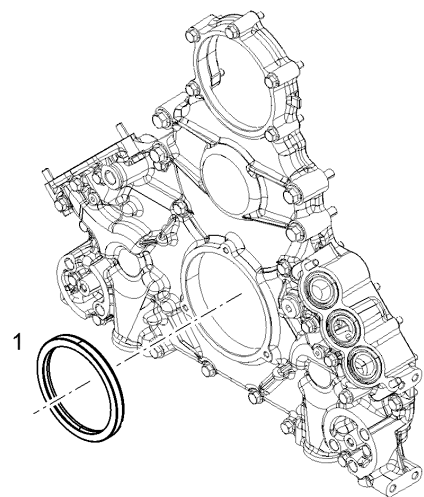
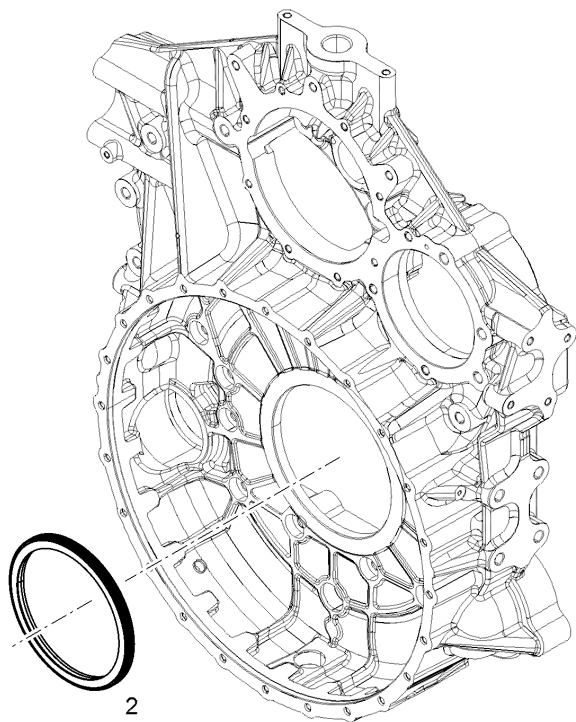
230610572

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610560	-	Main bearing	6	UN		
2	230610561	-	Main bearing	6	UN		
3	230610562	-	Thrust washer	2	UN		
4	230610563	-	Thrust washer	2	UN		
5	230610564	-	Main bearing	1	UN		
6	230610565	-	Main bearing	1	UN		



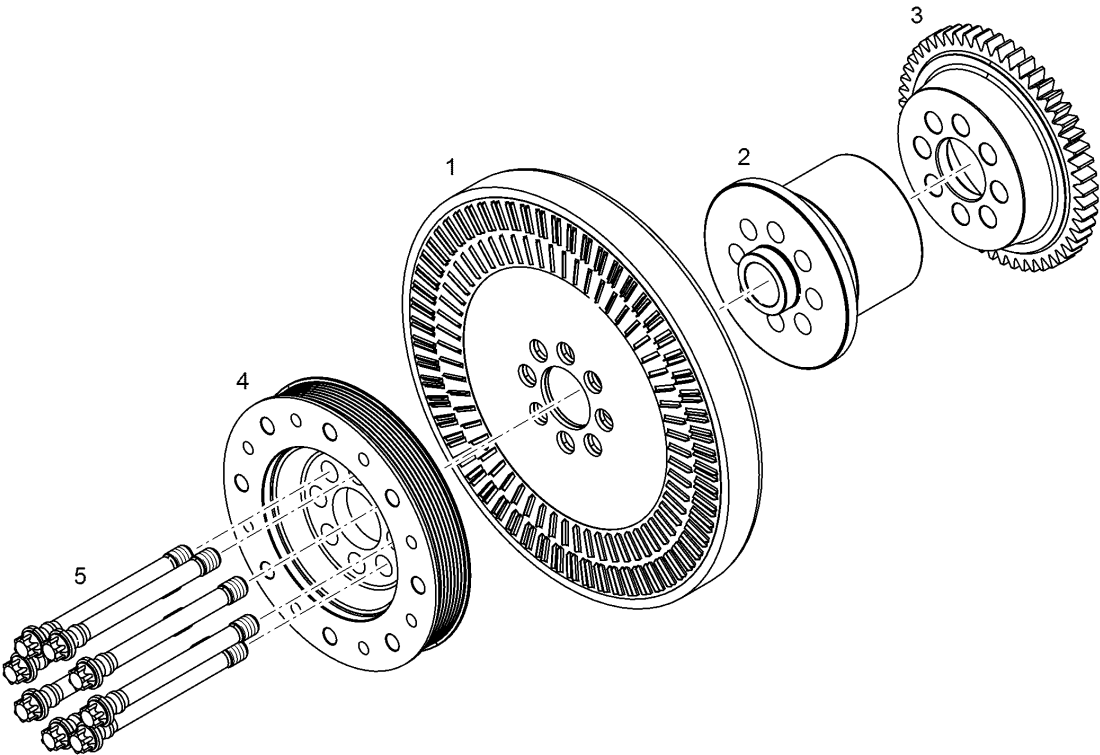
Crankshaft sealing
230610566

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610196	-	Rotary shaft lip seal	1	UN		
2	230611643	-	Lipseal	1	UN		



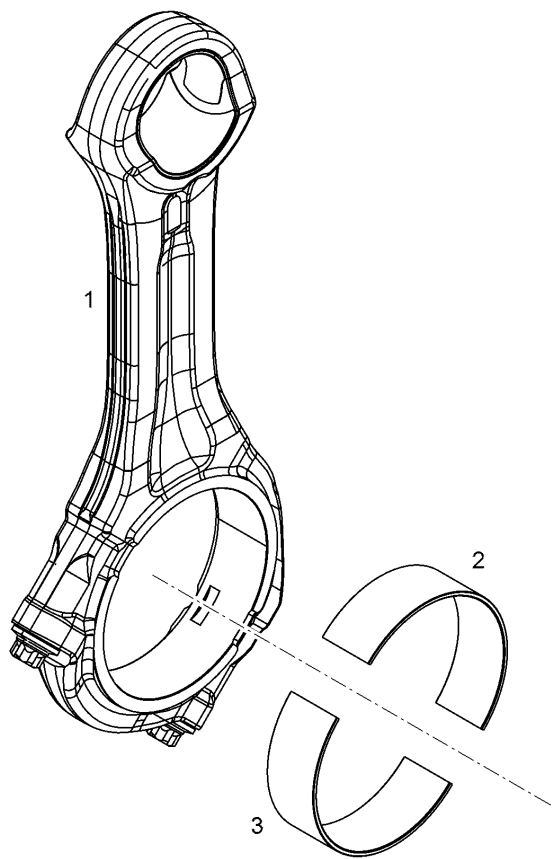
Driving parts
230610892

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610048	-	Viscose damper	1	UN			
2	230610842	-	Spacer piece	1	UN			
3	230610658	-	Gear wheel	1	UN			
4	230610233	-	Belt pulley	1	UN			
5	230610348	-	Hexalobular head screw	8	UN			



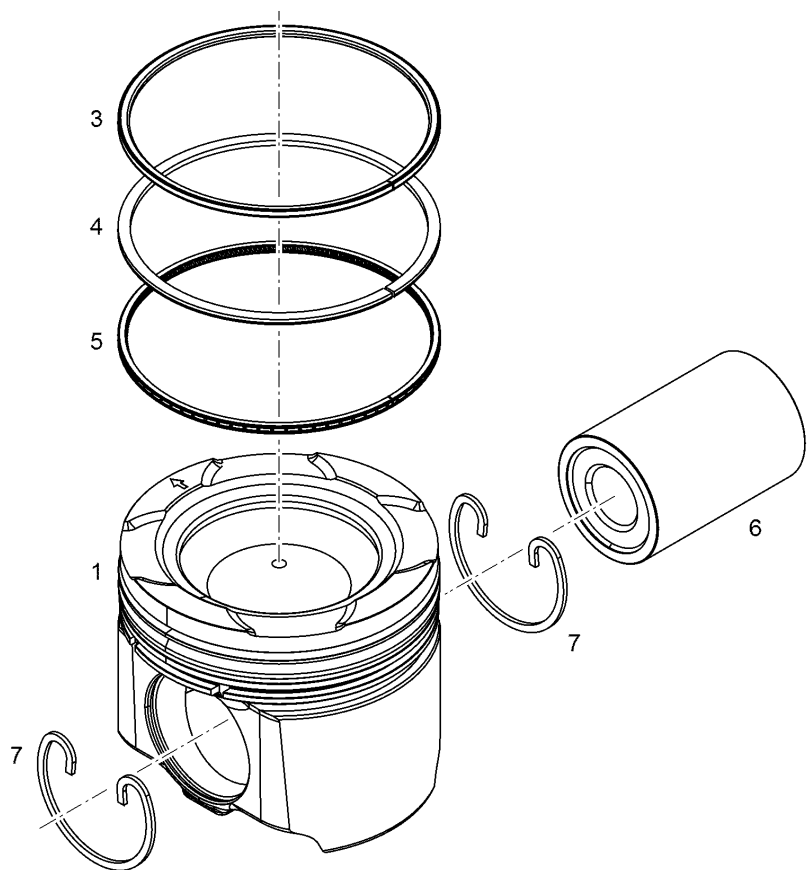
Connecting rod assembly
230610060

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		



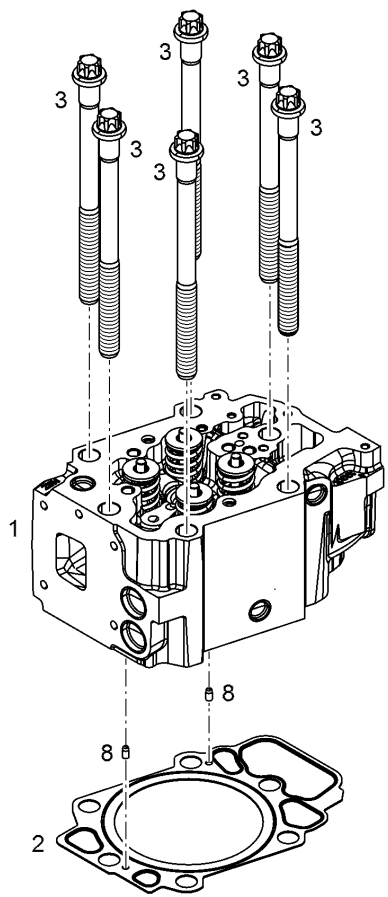
Piston cpl. 230610224

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

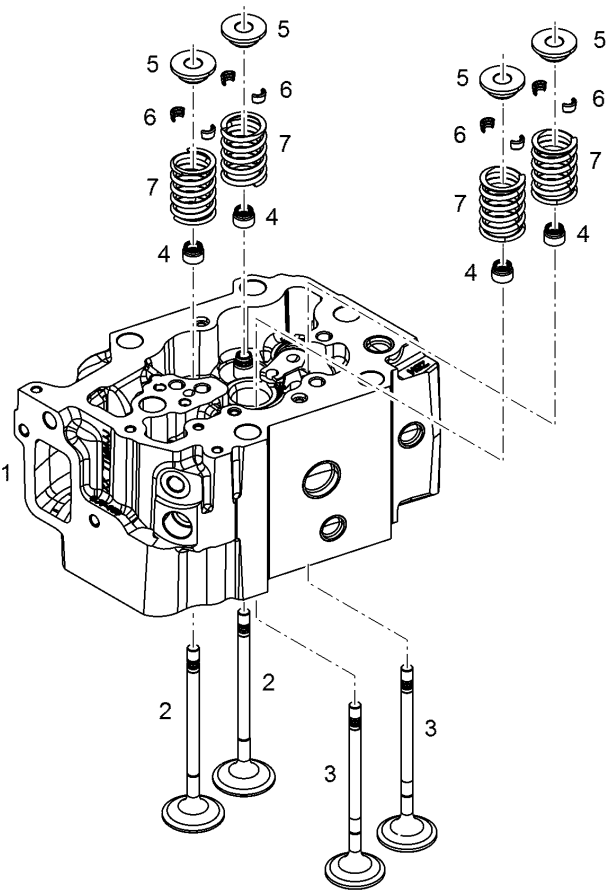
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610919	-	Cylinder head pre-assy.	1	UN		33
2	230610190	-	Cylinder head gasket	1	UN		
3	230610363	-	Cylinder screw	6	UN		
8	230610181	-	Parallel pin	2	UN		



Cylinder head pre-assy.

230610919

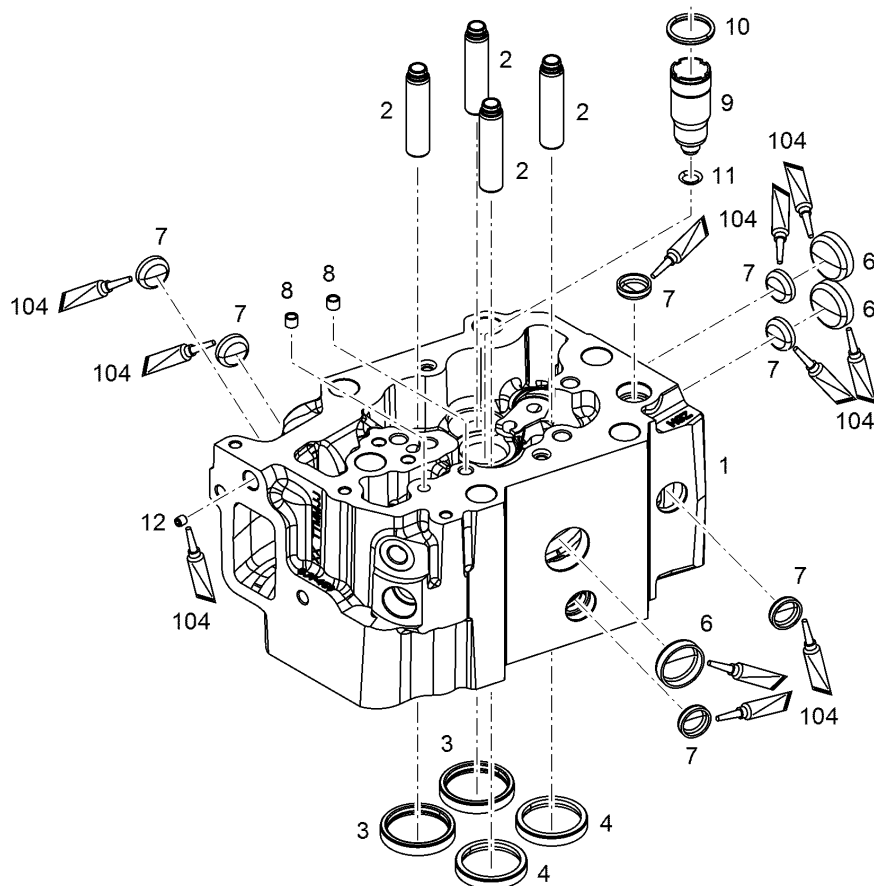
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610918	-	Cylinder head	1	UN		34
2	230610848	-	Inlet valve	2	UN		
3	230610552	-	Outlet valve	2	UN		
4	230610504	-	Valve stem seal ring	4	UN		
5	230610435	-	Spring support	4	UN		
6	230610777	-	Valve collet	8	UN		
7	230610463	-	Valve spring	4	UN		



Cylinder head

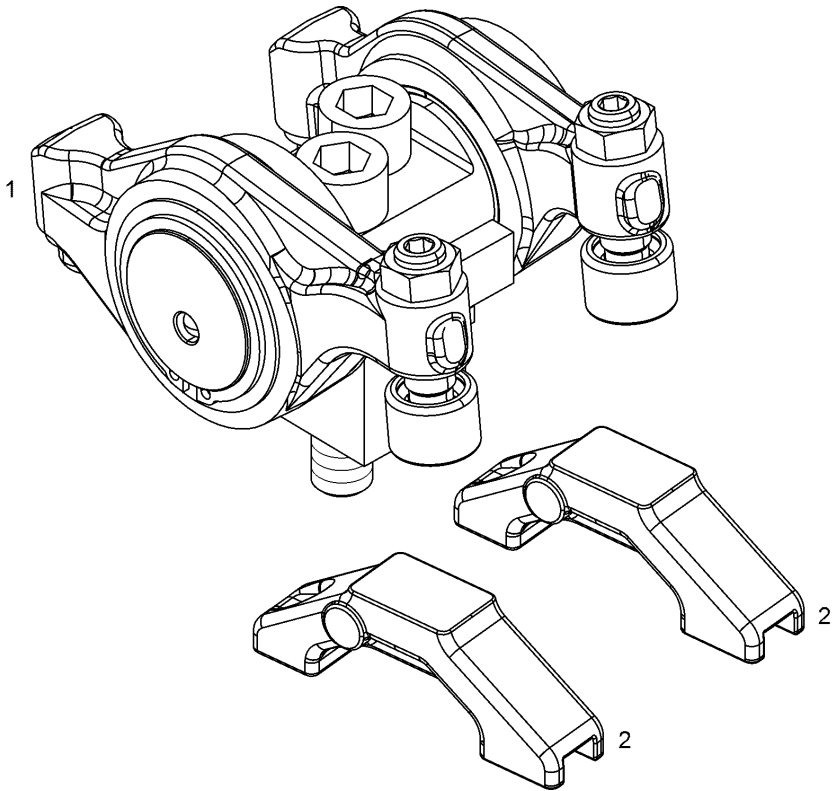
230610918

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		



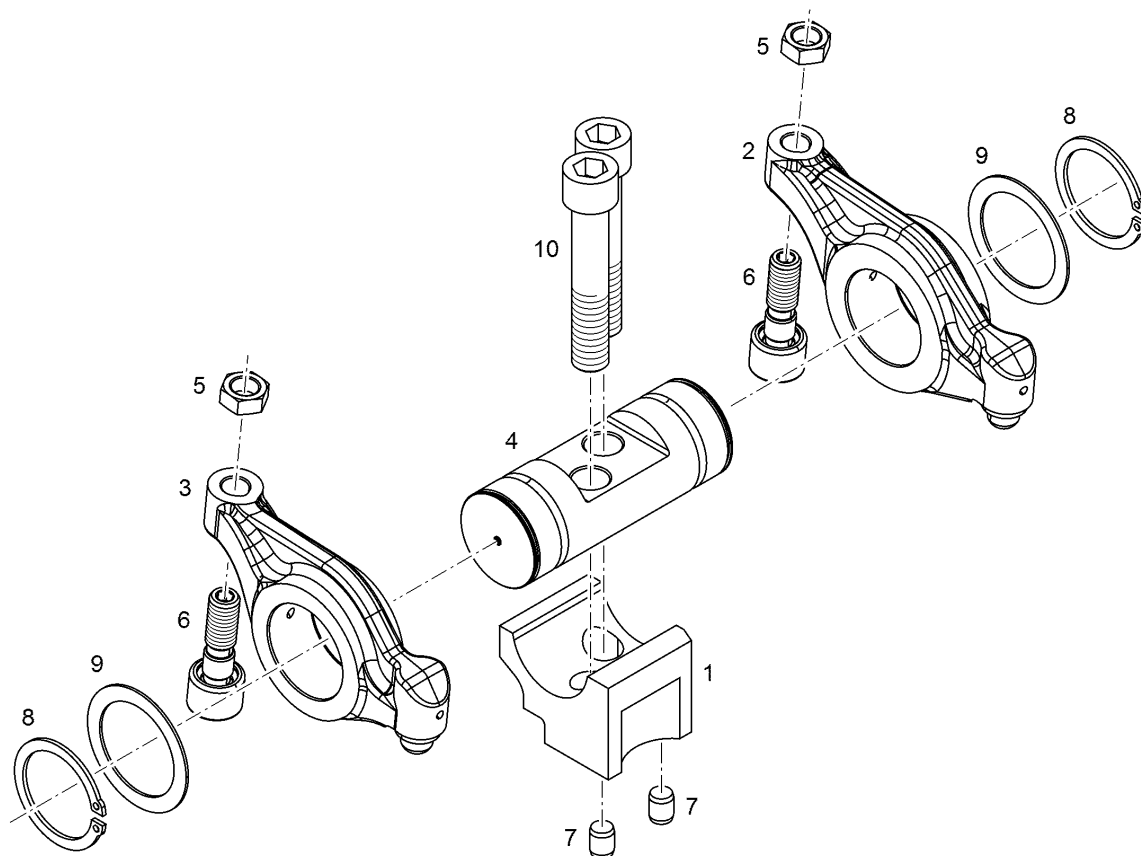
Rocker arms device cpl.
230610160

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610660	-	Rocker arm bracket pre-ass.	1	UN		36
2	230610697	-	Valve bridge	2	UN		



Rocker arm bracket pre-ass. 230610660

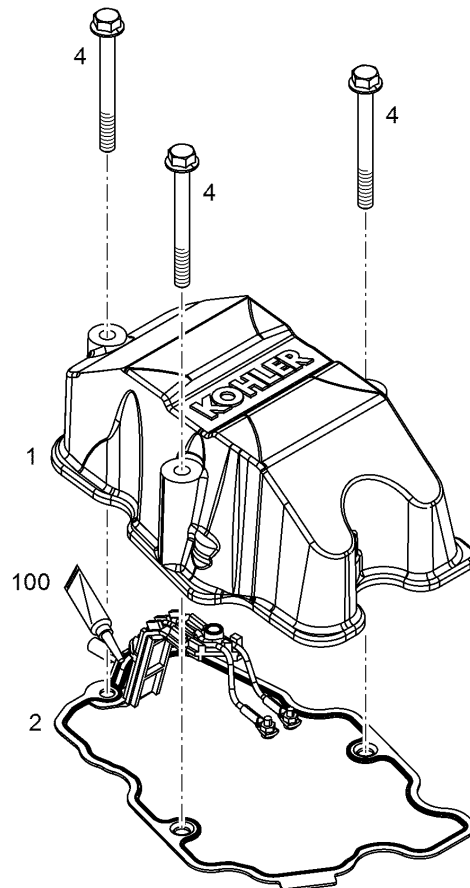
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610759	-	Rocker arm support	1	UN			
2	230610762	-	Rocker arm	1	UN			
3	230610761	-	Rocker arm	1	UN			
4	230610763	-	Rocker axle pre-ass.	1	UN			
5	230610654	-	Hex nut	2	UN			
6	230610655	-	Adjusting screw	2	UN			
7	230610947	-	Parallel 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

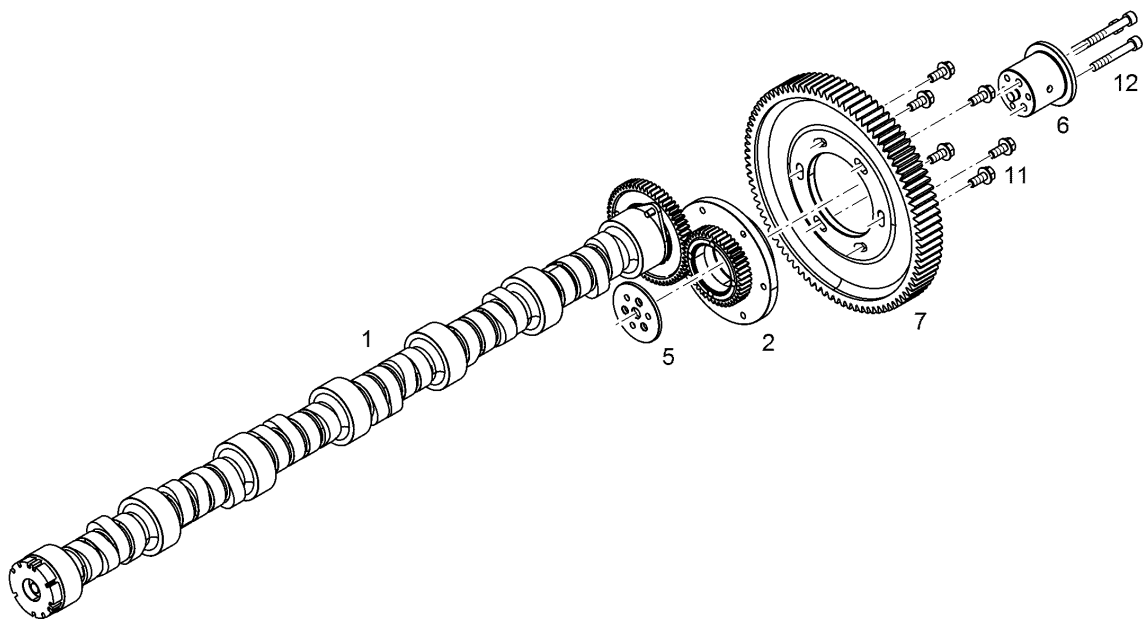
230610073

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		



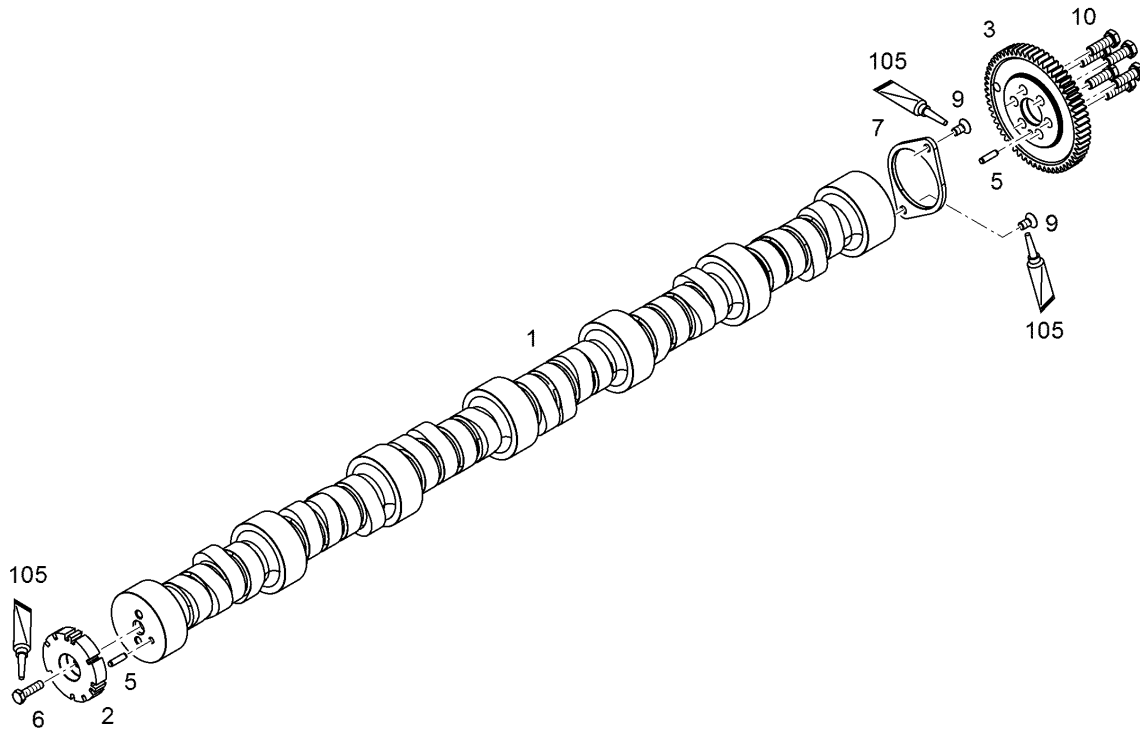
Camshaft cpl. 230610850

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610849	-	Camshaft pre-ass.	1	UN		39
2	230610688	-	Gearwheel pre-ass.	1	UN		
5	230610569	-	Flange	1	UN		
6	230610568	-	Shaft	1	UN		
7	230610687	-	Gear wheel	1	UN		
11	230610469	-	Hex screw	6	UN		
12	230610400	-	Socket head screw	3	UN		



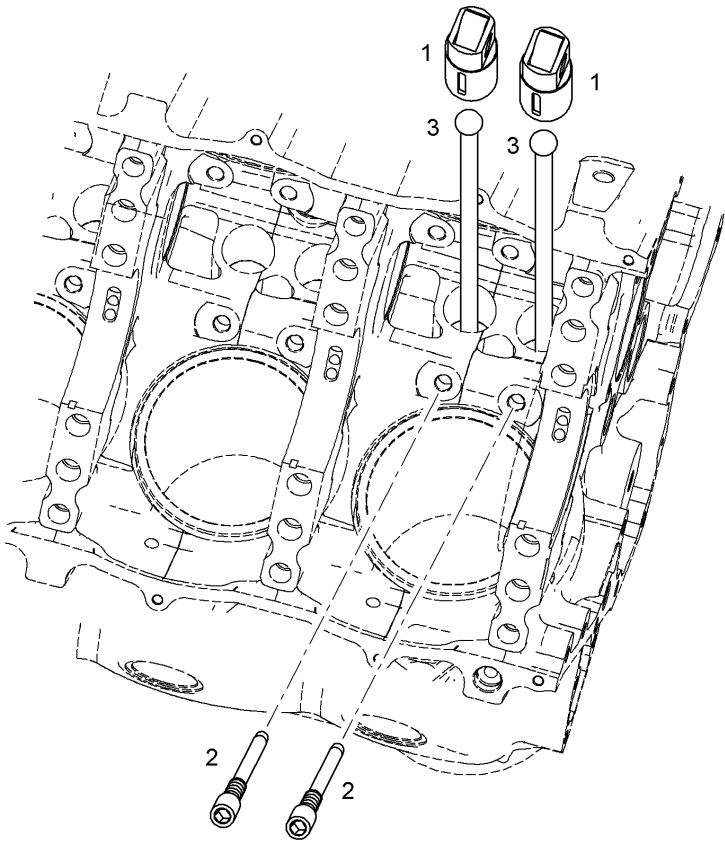
Camshaft pre-ass. 230610849

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610644	-	Camshaft	1	UN		
2	230610783	-	Timing disk	1	UN		
3	230610690	-	Gear wheel	1	UN		
5	230610401	-	Parallel pin	2	UN		
6	230610707	-	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
230610492

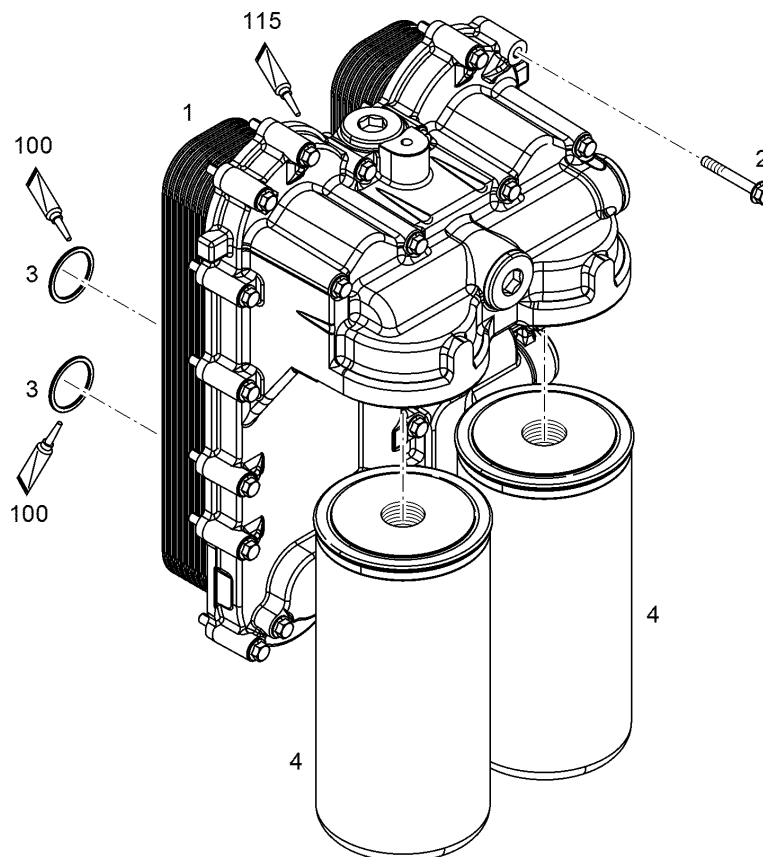
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610239	-	Roller tappet	2	UN			
2	230610362	-	Locking screw	2	UN			
3	230610287	-	Tappet push rod	2	UN			



Oil module assembly

230610220

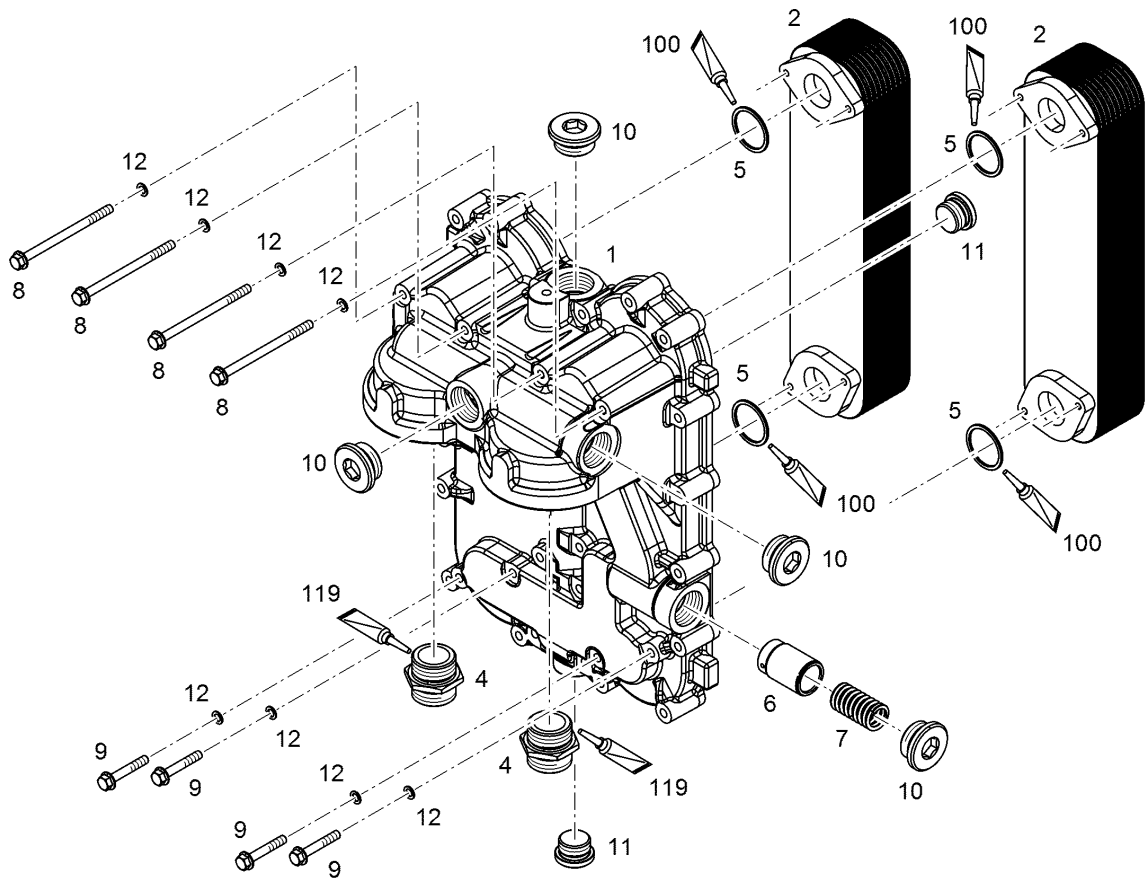
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610886	-	Oil module	1	UN		42
2	230610329	-	Hex screw	27	UN		
3	230610203	-	O-ring	2	UN		
4	230510001	-	Oil filter	2	UN		
100	230610702	-	Grease	1	UN		9
115	230610710	-	Surface sealing	1	UN		



Oil module

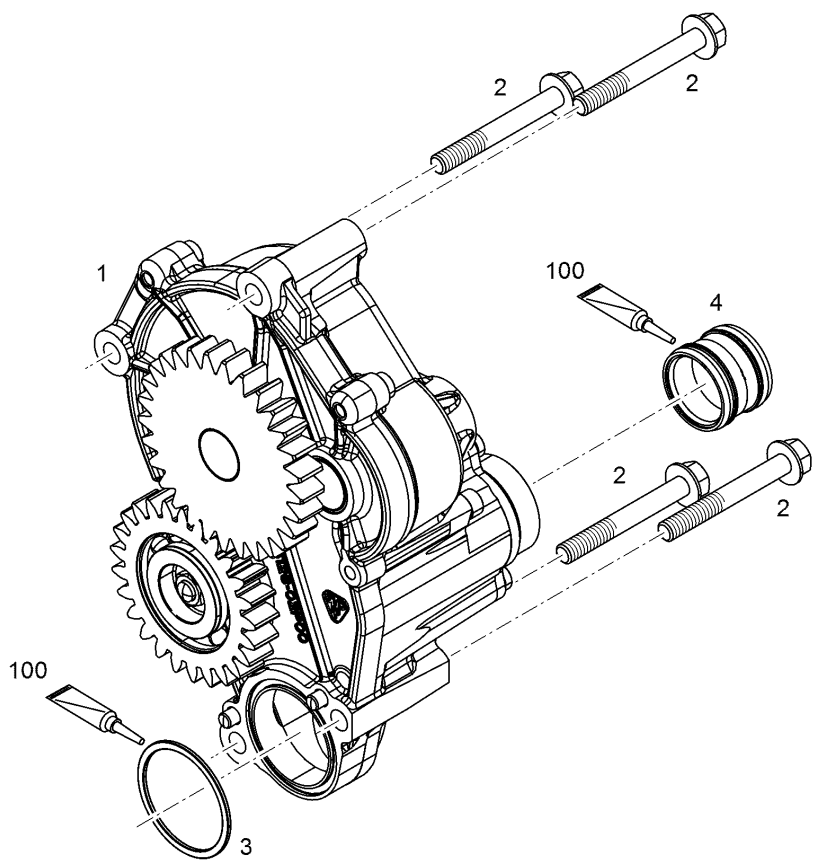
230610886

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610887	-	Oil cooler housing	1	UN			
2	230610648	-	Oil cooler	2	UN			
4	230610250	-	Fittings	2	UN			
5	230610203	-	O-ring	4	UN			
6	230610634	-	Piston	1	UN			
7	230610633	-	Pressure spring	1	UN			
8	230610338	-	Hex screw	4	UN			
9	230611490	-	Hex screw	4	UN			
10	230610070	-	Screw plug	4	UN			
11	230610071	-	Screw plug	2	UN			
12	230610393	-	Sealing ring	8	UN			
100	230610702	-	Grease	1	UN			9
119	230611018	-	Glue	1	UN			



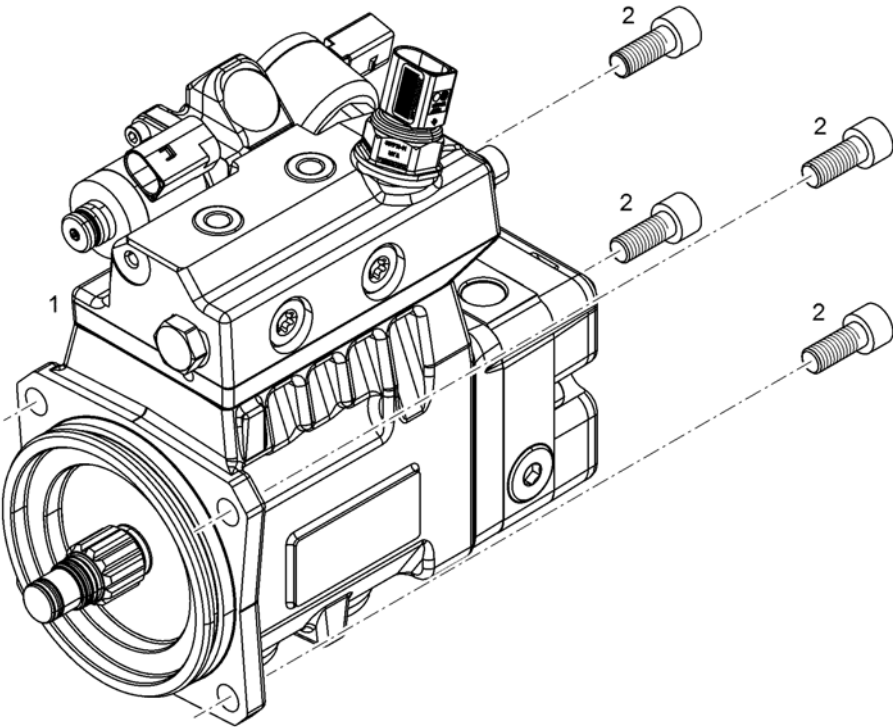
Lube oil pump with fastening
230610231

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611954	-	Oil pump	1	UN			
2	230610460	-	Hex screw	4	UN			
3	230610414	-	O-ring	1	UN			
4	230610711	-	Plug-in pipe	1	UN			
100	230610702	-	Grease	1	UN			9



High pressure pump w.fastening
230610232

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610592	-	High pressure pump	1	UN		45
2	230612797	-	Socket head screw	4	UN		

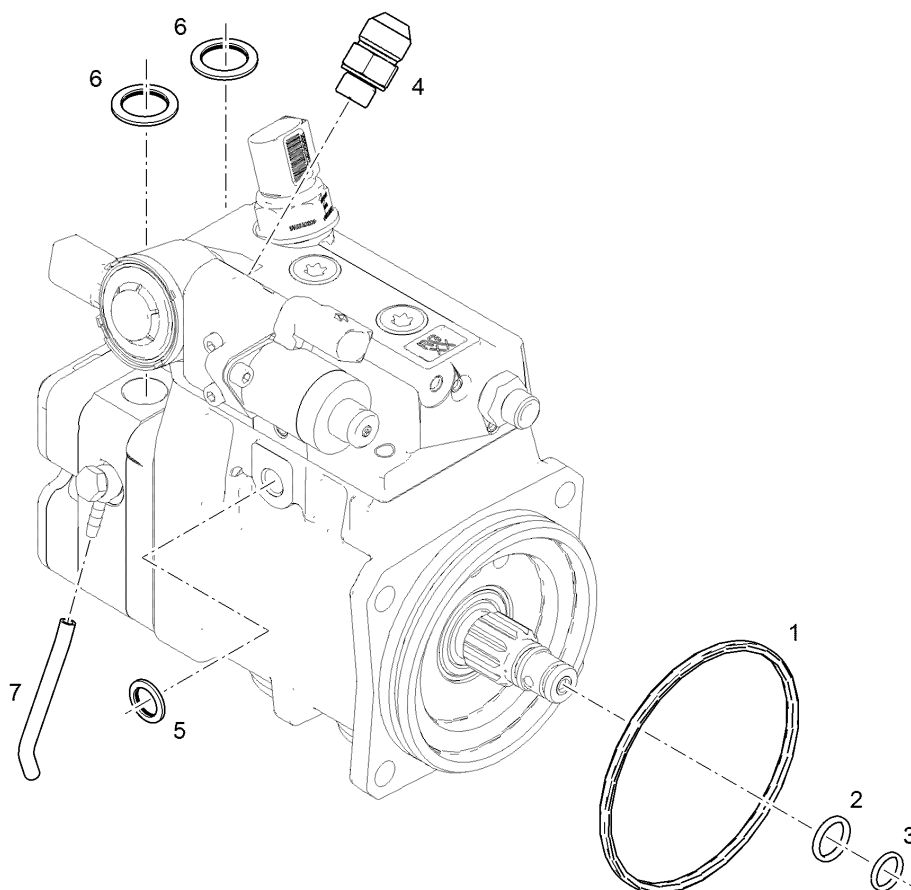


High pressure pump 230610592

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
210	230610229	-	Seal kit high pressure pump	1	UN		46
211	230612437	-	Seal kit prefeeding pump	1	UN		47
220	230610576	-	Rk pre-feed pump	1	UN		48
230	230612688	-	Repair kit volum control valve	1	UN		49
240	230612260	-	Covering caps - kit	1	UN		50

Seal kit high pressure pump 230610229

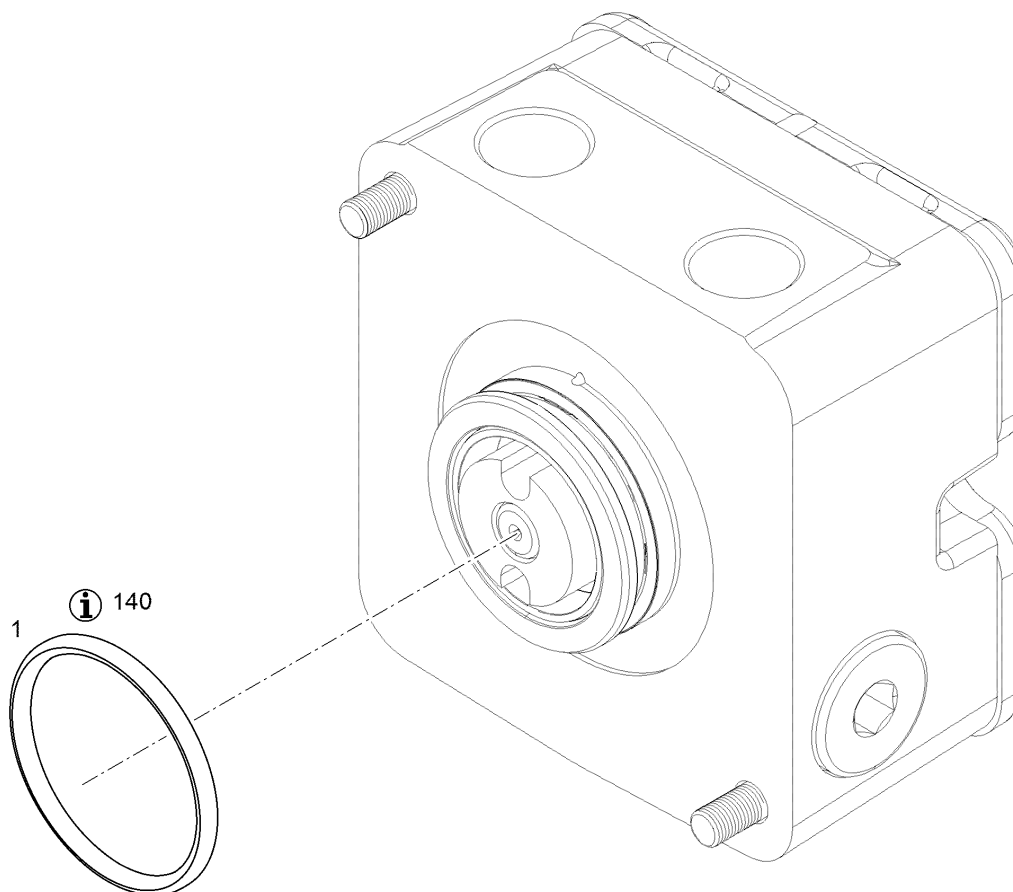
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610523	-	O-ring	1	UN		
2	230610522	-	O-ring	1	UN		
3	230610199	-	O-ring	1	UN		
4	230610246	-	Flange joint	1	UN		
5	230610051	-	Sealing ring	2	UN		
6	230610053	-	Sealing ring	4	UN		
7	230610727	-	Fuel hose	0.5	UN		



Seal kit prefeeding pump

230612437

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612403	-	O-ring	1	UN		
140	230612387	-	Mounting requirement	1	UN		



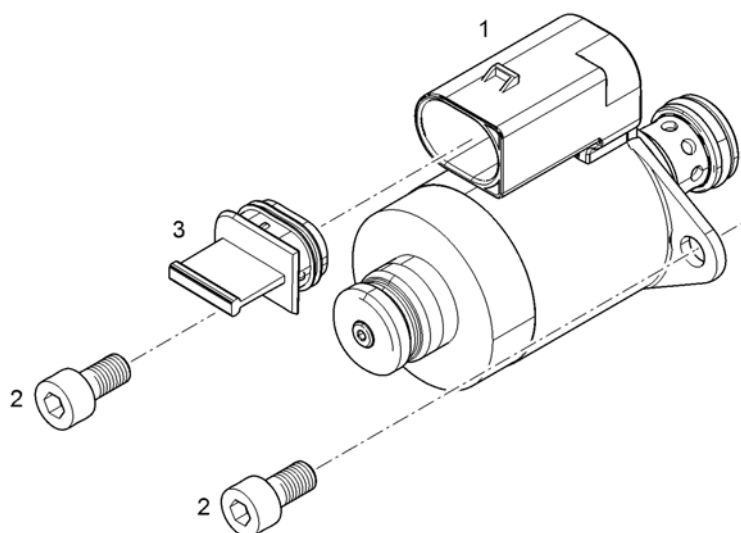
Rk pre-feed pump 230610576

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612789	-	Prefeeding pump	1	UN		
25	230612774	-	Coupling	1	UN		
26	230612796	-	Socket head screw	2	UN		
27	230612785	-	O-ring	1	UN		
28	230612255	-	Cover lid	2	UN		
29	230612448	-	Universal protection	1	UN		

Repair kit volum control valve

230612688

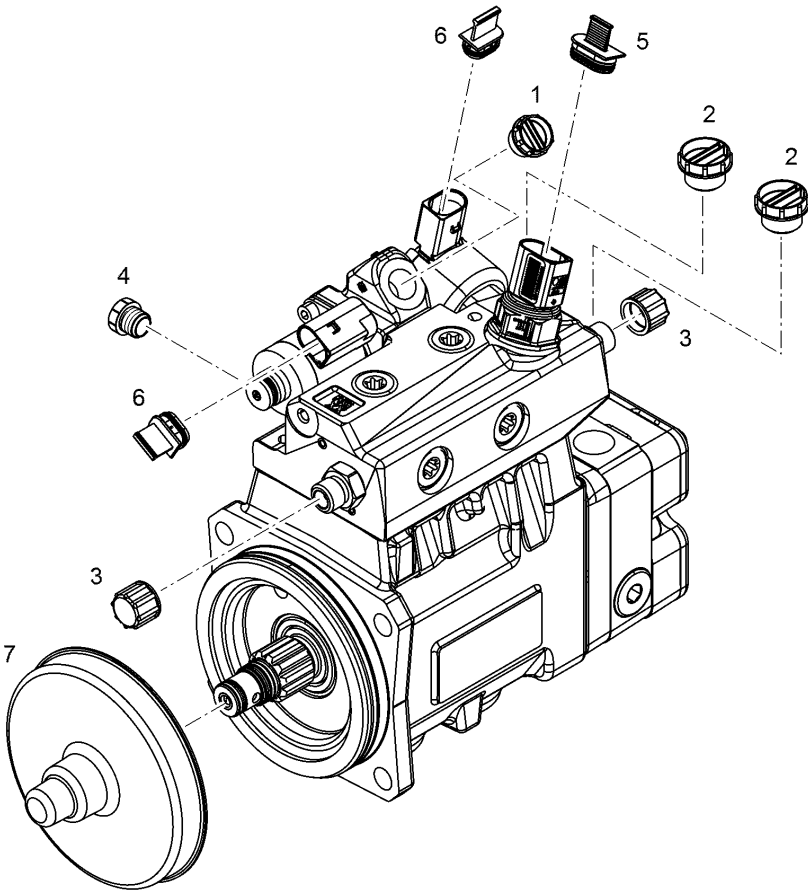
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611636	-	Valve	1	UN			
2	230612443	-	Socket head screw	2	UN			
3	230612234	-	Blanking plug	1	UN			



Covering caps - kit

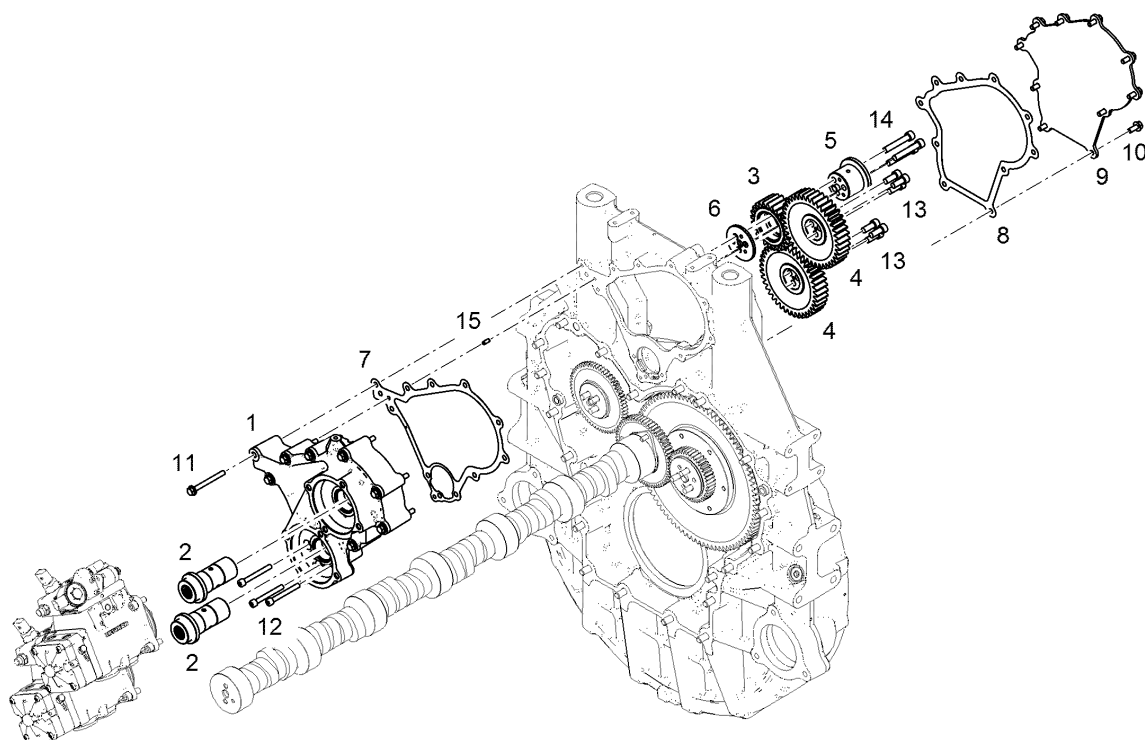
230612260

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230612256	-	Cover lid	1	UN			
2	230612255	-	Cover lid	2	UN			
3	230612257	-	Cover lid	2	UN			
4	230612258	-	Cover lid	1	UN			
5	230612233	-	Blanking plug	1	UN			
6	230612234	-	Blanking plug	2	UN			
7	230612259	-	Cover lid	1	UN			



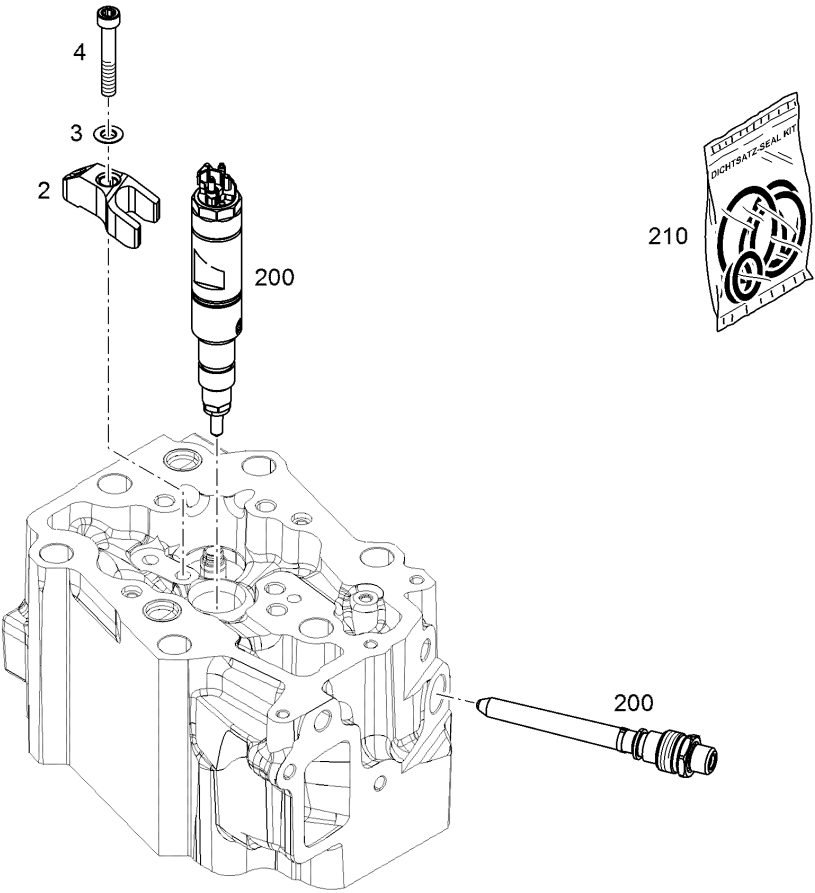
Drive for high pressure pump 230610166

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610821	-	Housing pre-assembled	1	UN			
2	230610575	-	Drive shaft	2	UN			
3	230610691	-	Gearwheel pre-ass.	1	UN			
4	230610689	-	Gear wheel	2	UN			
5	230610577	-	Shaft	1	UN			
6	230610578	-	Flange	1	UN			
7	230610820	-	Seal	1	UN			
8	230610579	-	Seal	1	UN			
9	230610580	-	Cover	1	UN			
10	230611470	-	Hex screw	10	UN			
11	230610333	-	Hex screw	8	UN			
12	230610719	-	Socket head screw	3	UN			
13	230610403	-	Socket head screw	6	UN			
14	230610377	-	Socket head screw	3	UN			
15	230610391	-	Parallel pin	1	UN			



Injector with fastening 230610673

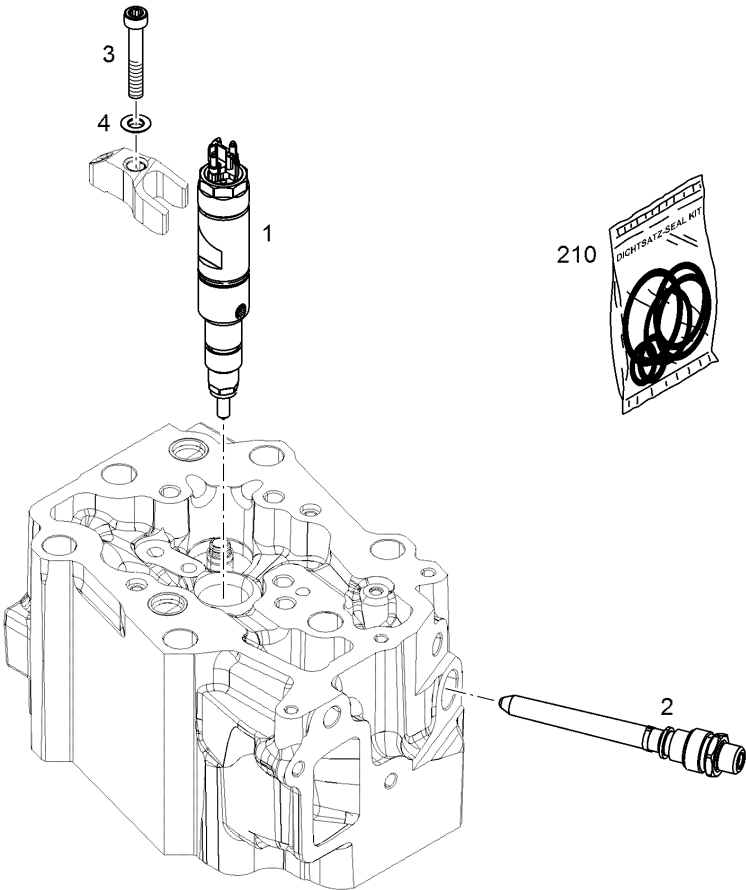
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
2	230610182	-	Jaw	1	UN			
3	230610479	-	Spherical washer	1	UN			
4	230610317	-	Socket head screw	1	UN			
200	230610183	-	Rk injector	1	UN			53
210	230610228	-	Seal kit injector	1	UN			56



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		54
3	230610317	-	Socket head screw	1	UN		
4	230610479	-	Spherical washer	1	UN		
210	230610228	-	Seal kit injector	1	UN		56



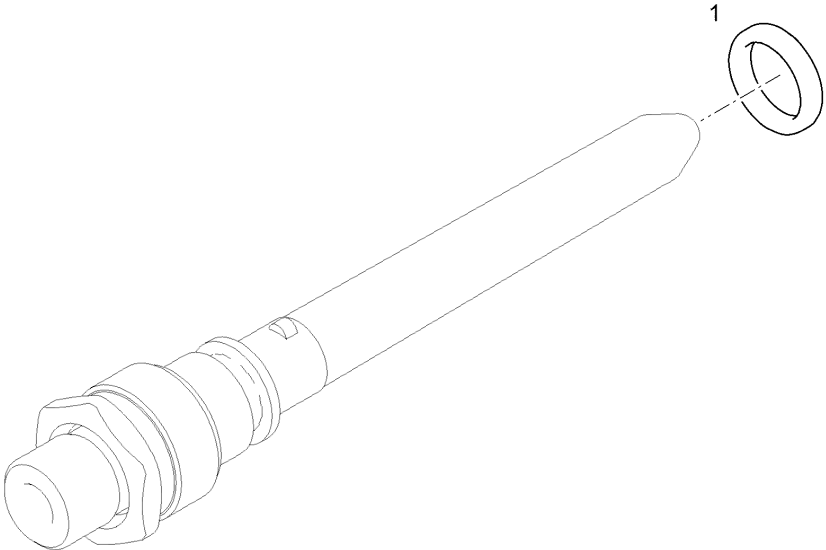
High pressure connector

230610251

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
210	230610227	-	Seal kit high press.connector	1	UN		55

Seal kit high press.connector
230610227

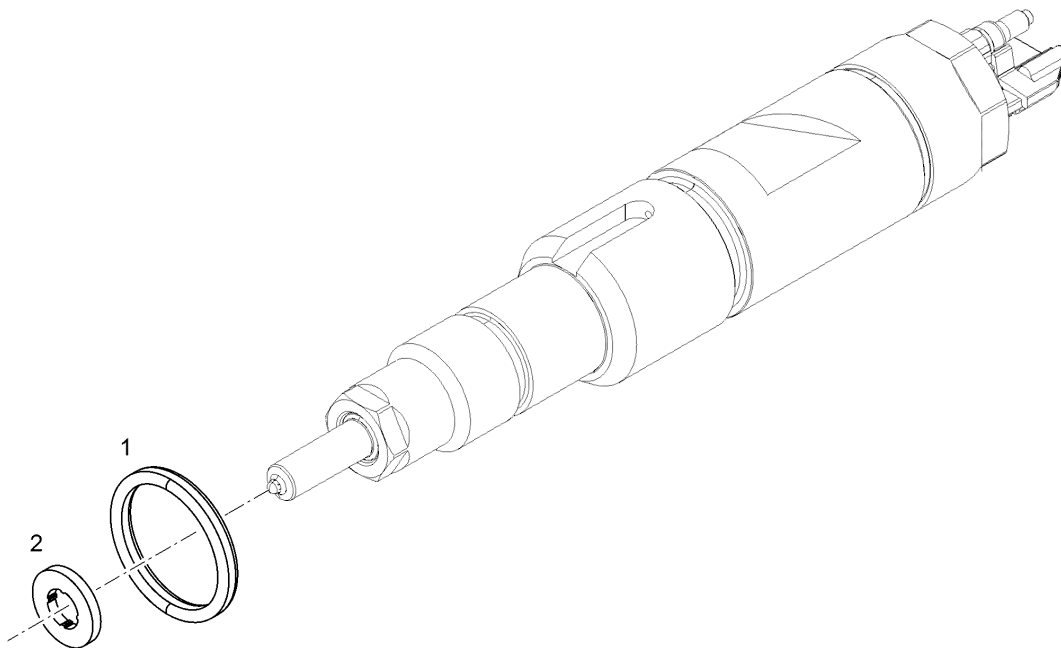
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610729	-	O-ring	1	UN		



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		

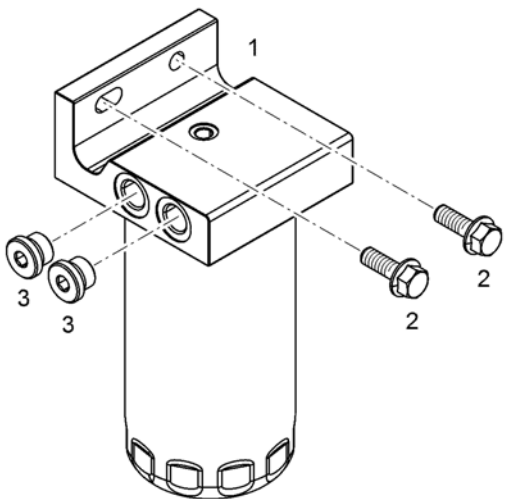
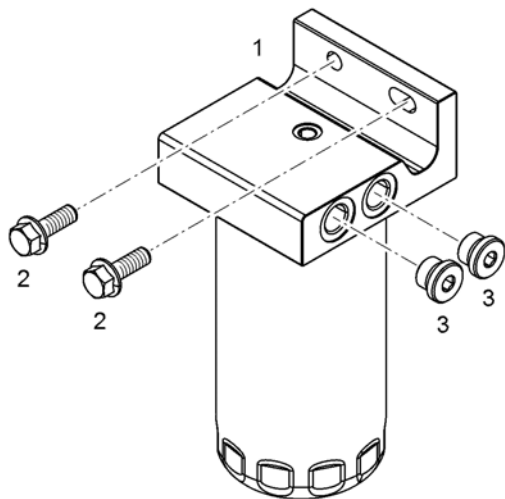


i 140

Fuel fine-filter assembly

230610178

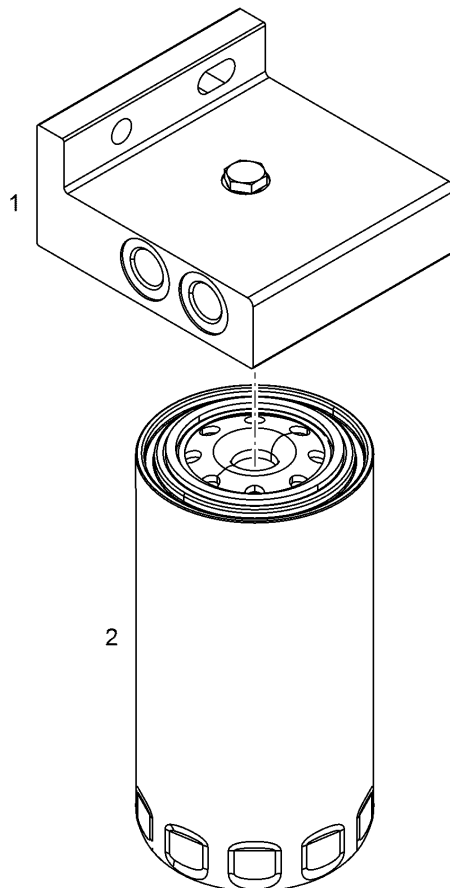
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610843	-	Fuel filter module	1	UN			58
2	230610323	-	Hex screw	2	UN			
3	230610415	-	Screw plug	2	UN			



Fuel filter module

230610843

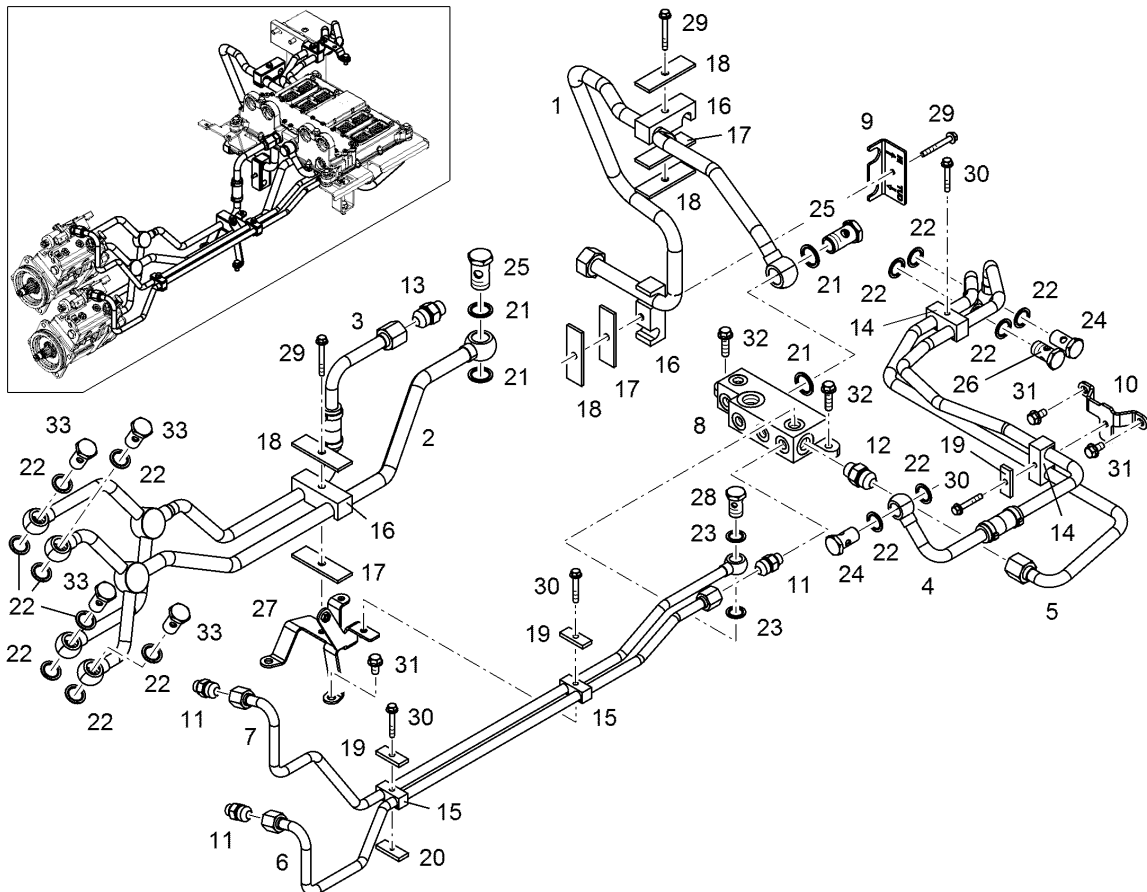
Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610845	-	Fuel filter head	1	UN		
2	230510003	-	Fuel fine filter	1	UN		



Fuel lines

230610854

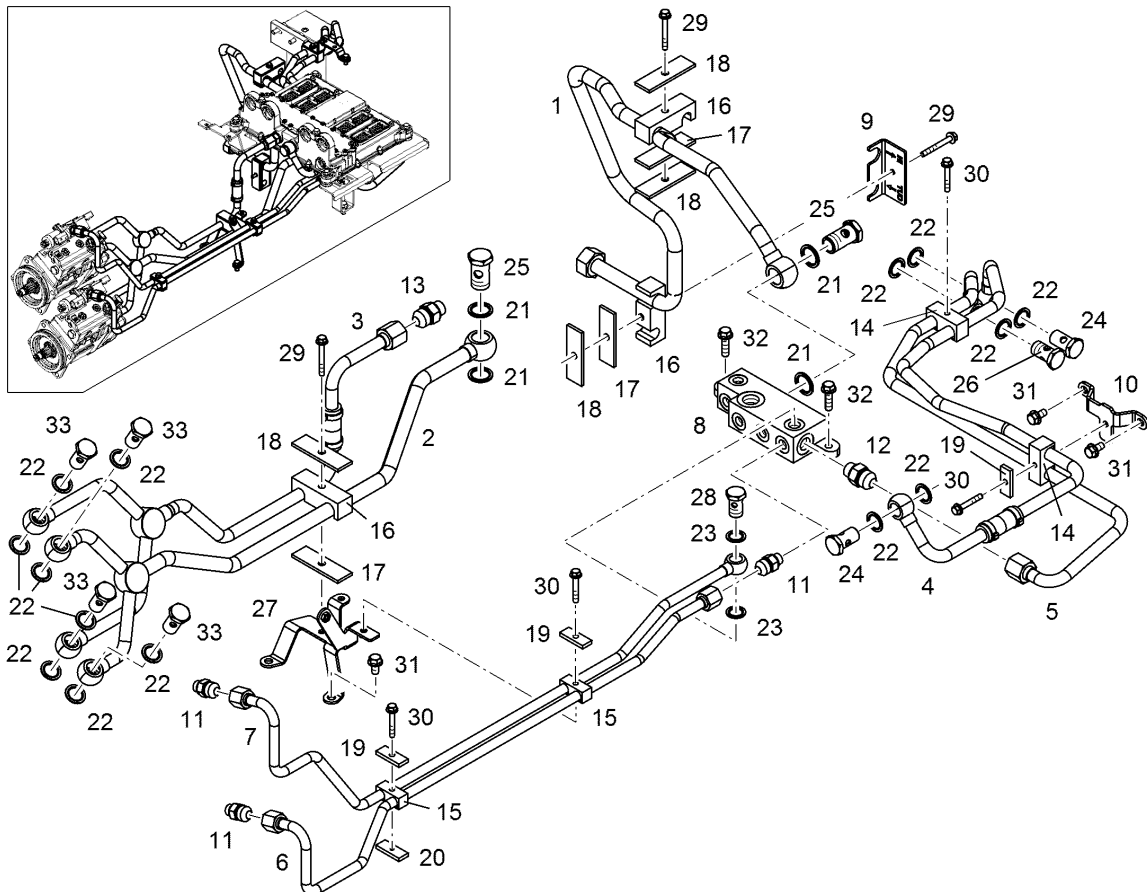
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610109	-	Fuel line	1	UN			
2	230610110	-	Fuel line	1	UN			
3	230612776	-	Fuel line	1	UN			
4	230612777	-	Fuel line	1	UN			
5	230610106	-	Fuel line	1	UN			
6	230610105	-	Fuel line	1	UN			
7	230610107	-	Fuel line	1	UN			
8	230610062	-	Distributor block	1	UN			
9	230610288	-	Plate	1	UN			
10	230610282	-	Holder	1	UN			
11	230610246	-	Flange joint	3	UN			
12	230610244	-	Flange joint	1	UN			
13	230610245	-	Flange joint	1	UN			
14	230610092	-	Pipe clamp	2	UN			
15	230610089	-	Pipe clamp	2	UN			
16	230610098	-	Pipe clamp	3	UN			



Fuel lines

230610854

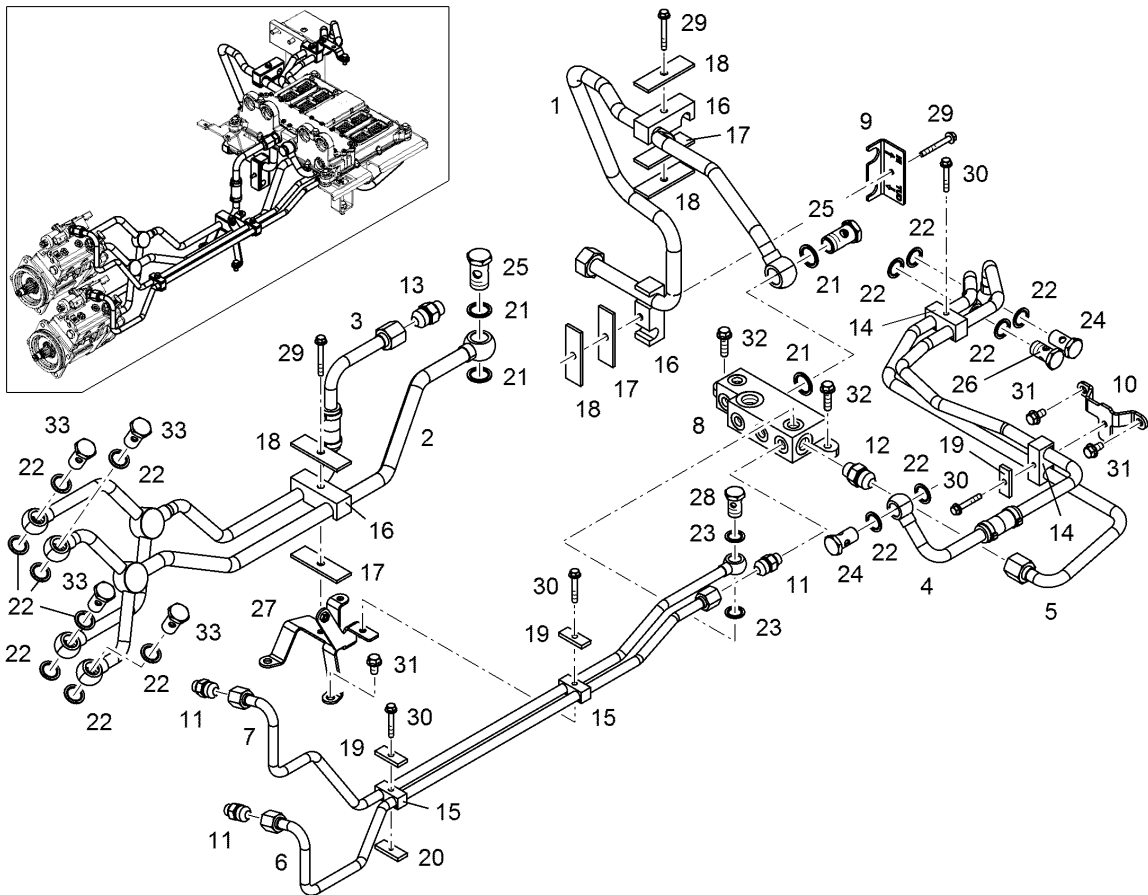
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610226	-	Sheet	3	UN			
18	230610225	-	Sheet	4	UN			
19	230610277	-	Support plate	3	UN			
20	230610278	-	Support plate	1	UN			
21	230610057	-	Sealing ring	4	UN			
22	230610053	-	Sealing ring	14	UN			
23	230610052	-	Sealing ring	2	UN			
24	230610352	-	Hollow screw	2	UN			
25	230610359	-	Hollow screw	2	UN			
26	230610354	-	Hollow screw	1	UN			
27	230610284	-	Holder	1	UN			
28	230610360	-	Hollow screw	1	UN			
29	230610320	-	Hex screw	3	UN			
30	230610313	-	Hex screw	4	UN			
31	230610314	-	Hex screw	3	UN			
32	230610322	-	Hex screw	2	UN			



Fuel lines

230610854

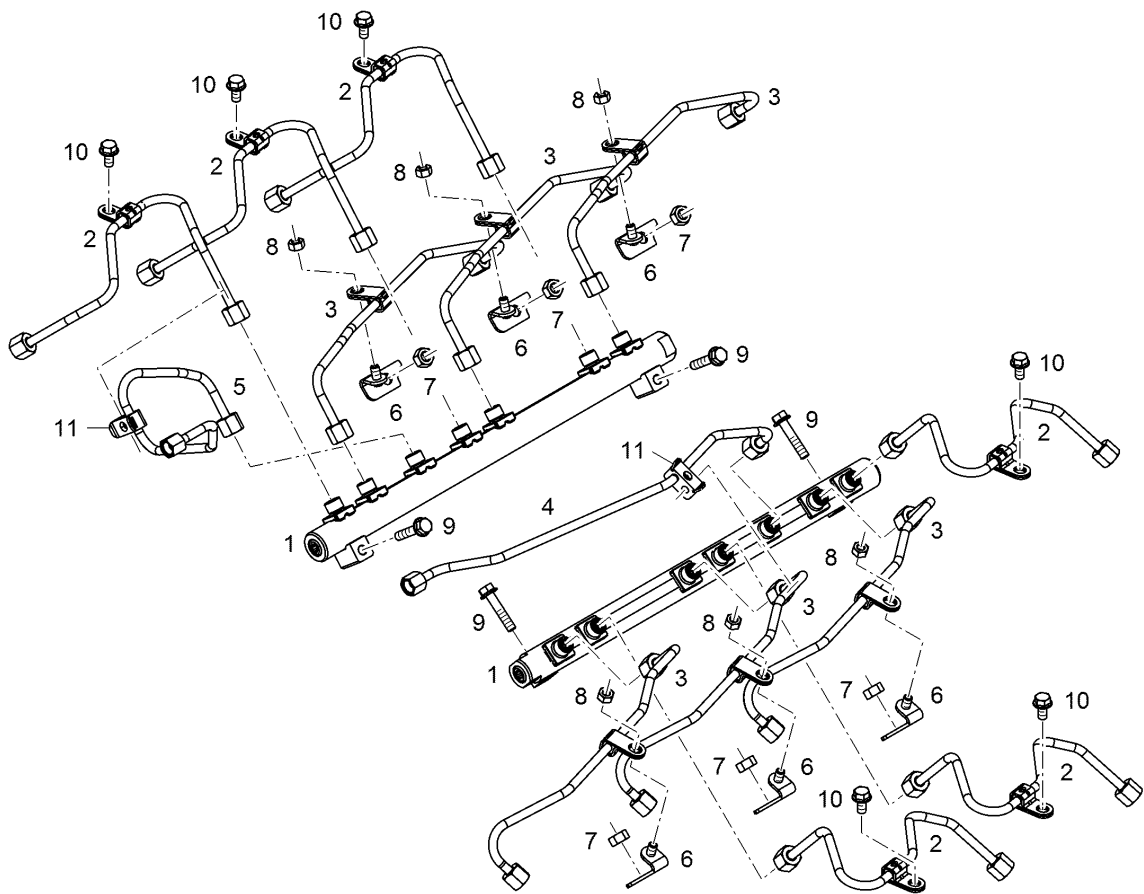
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
33	230610358	-	Hollow screw	4	UN			



High pressure pipe assembly

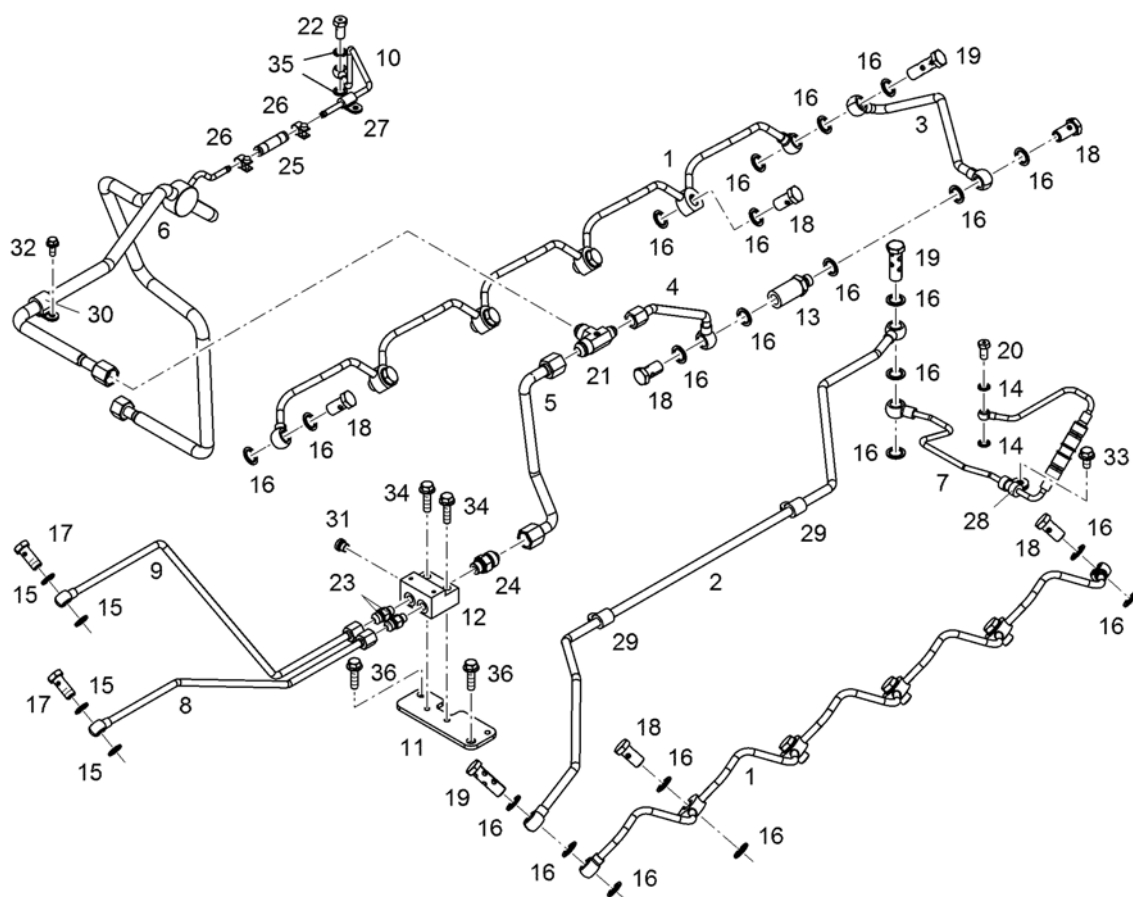
230610133

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610255	-	Hight pressure rail	2	UN			
2	230610122	-	Injection line	6	UN			
3	230610123	-	Injection line	6	UN			
4	230610124	-	Injection line	1	UN			
5	230610125	-	Injection line	1	UN			
6	230610280	-	Holder	6	UN			
7	230611951	-	Nut	6	UN			
8	230612778	-	Hex nut	6	UN			
9	230610324	-	Hex screw	4	UN			
10	230612333	-	Hex screw	6	UN			
11	230610093	-	Clamp	2	UN			



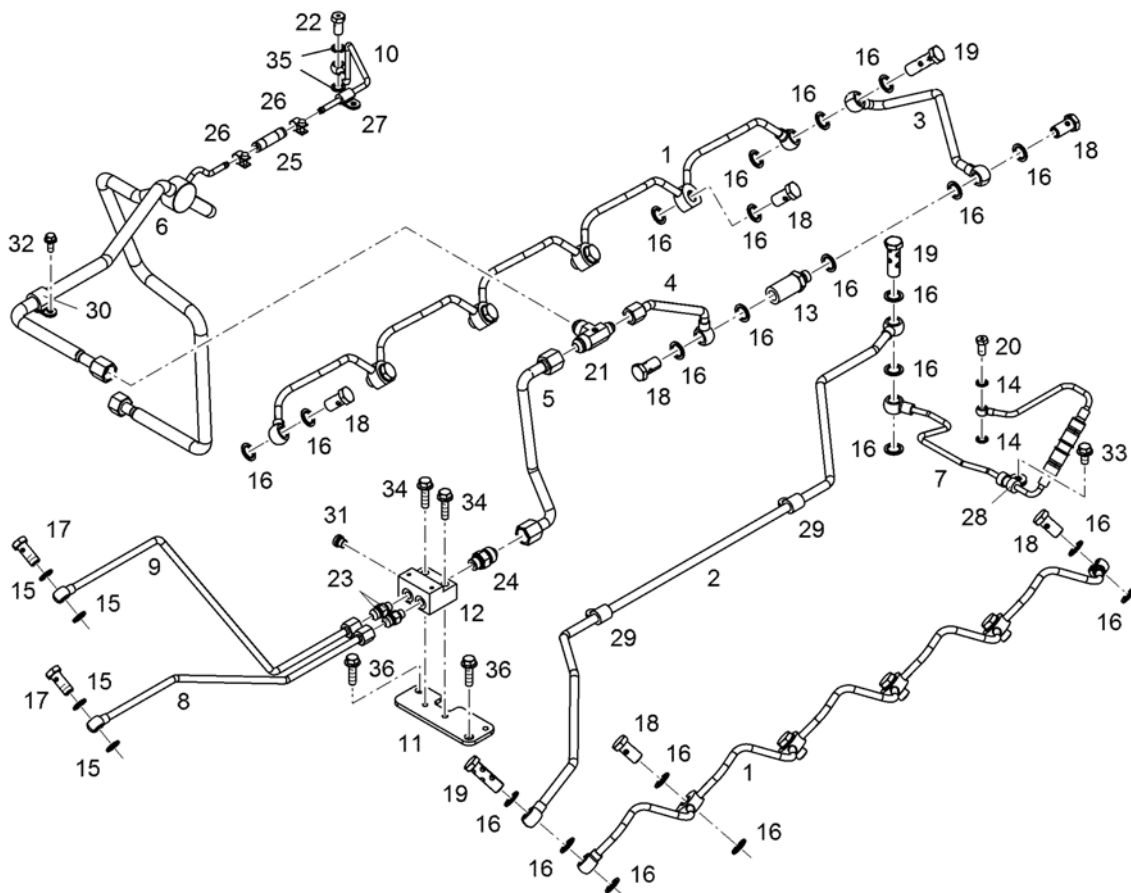
Leak oil line add-on 230610853

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610120	-	Overflow-oil line	2	UN			
2	230610116	-	Overflow-oil line	1	UN			
3	230610118	-	Overflow-oil line	1	UN			
4	230610117	-	Overflow-oil line	1	UN			
5	230610112	-	Overflow-oil line	1	UN			
6	230610121	-	Overflow-oil line	1	UN			
7	230612687	-	Overflow oil line	1	UN			
8	230610115	-	Overflow-oil line	1	UN			
9	230610114	-	Overflow-oil line	1	UN			
10	230610113	-	Overflow-oil line	1	UN			
11	230610283	-	Holder	1	UN			
12	230610061	-	Distributor block	1	UN			
13	230610222	-	Intermediate part	1	UN			
14	230610058	-	Sealing ring	2	UN			
15	230610051	-	Sealing ring	4	UN			
16	230610056	-	Sealing ring	34	UN			



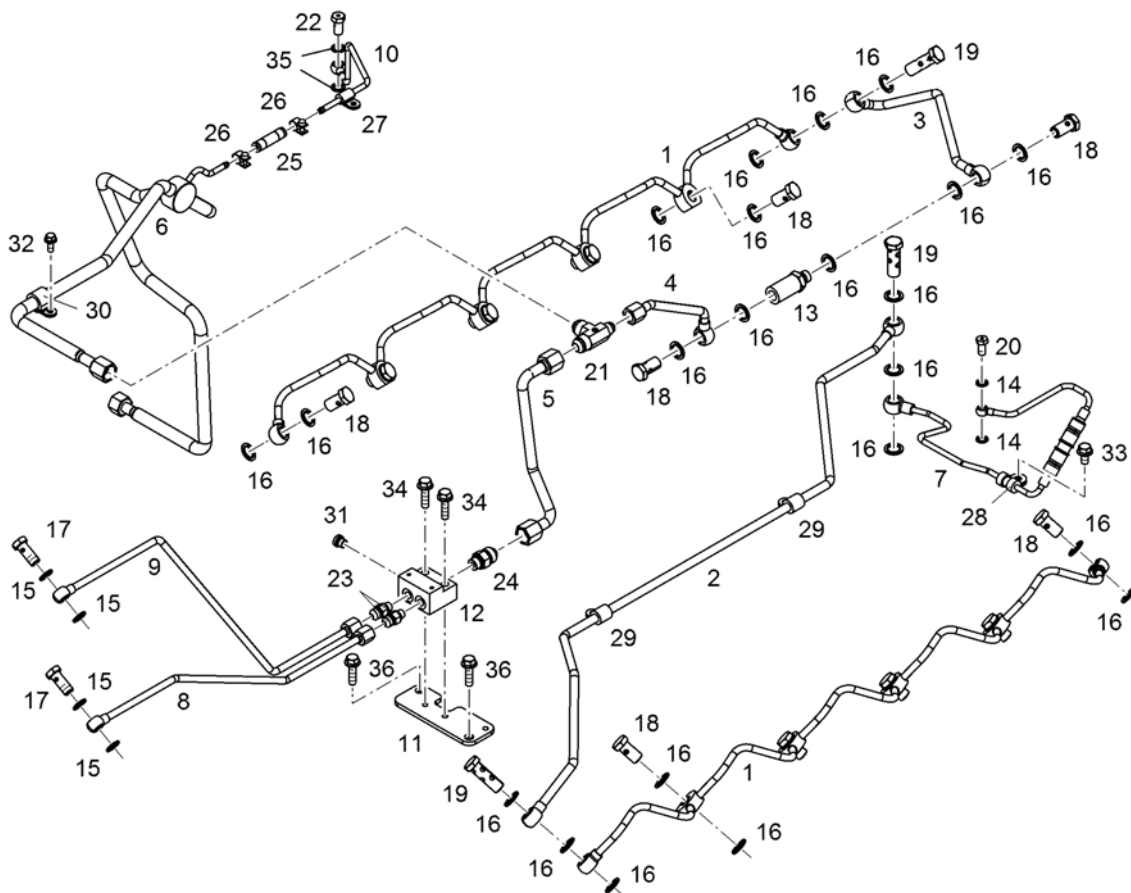
Leak oil line add-on 230610853

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610355	-	Hollow screw	2	UN			
18	230612360	-	Hollow screw	12	UN			
19	230610345	-	Double banjo bolt	3	UN			
20	230610357	-	Hollow screw	1	UN			
21	230610249	-	Flange joint	1	UN			
22	230610356	-	Hollow screw	1	UN			
23	230610241	-	Flange joint	2	UN			
24	230610247	-	Flange joint	1	UN			
25	230610212	-	Rubber connection	1	UN			
26	230610083	-	Hose clamp	2	UN			
27	230610090	-	Clamp	1	UN			
28	230610088	-	Clamp	1	UN			
29	230610086	-	Clamp	2	UN			
30	230610091	-	Clamp	1	UN			
31	230610063	-	Screw plug	1	UN			
32	230610312	-	Hex screw	1	UN			



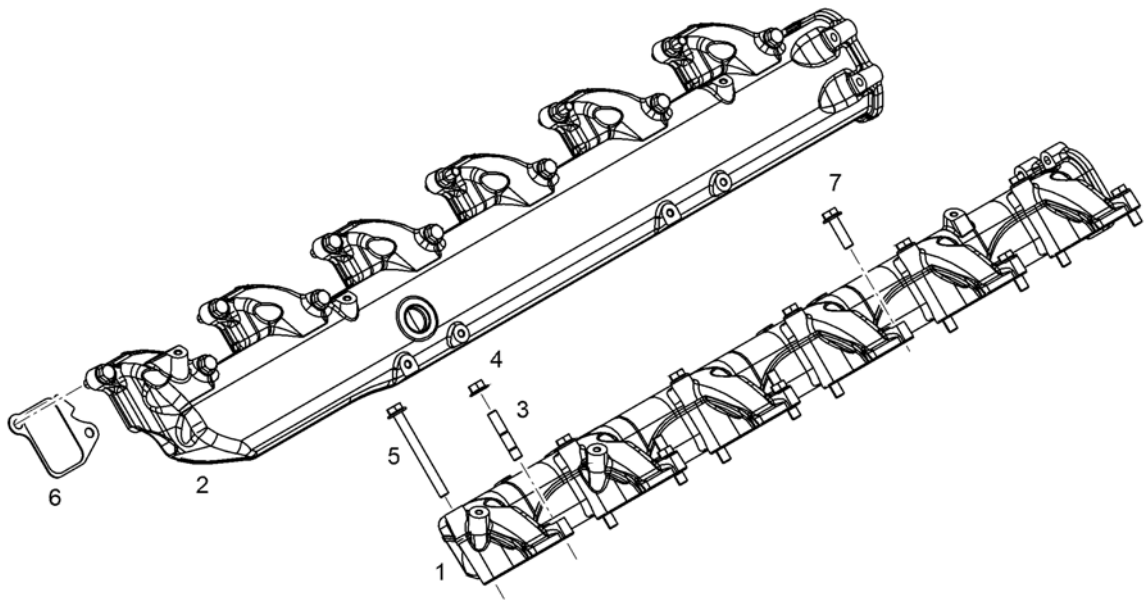
Leak oil line add-on 230610853

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
33	230612333	-	Hex screw	1	UN		
34	230612326	-	Hex screw	2	UN		
35	230610055	-	Sealing ring	2	UN		
36	230612325	-	Hex screw	2	UN		



Air intake assembly 230610907

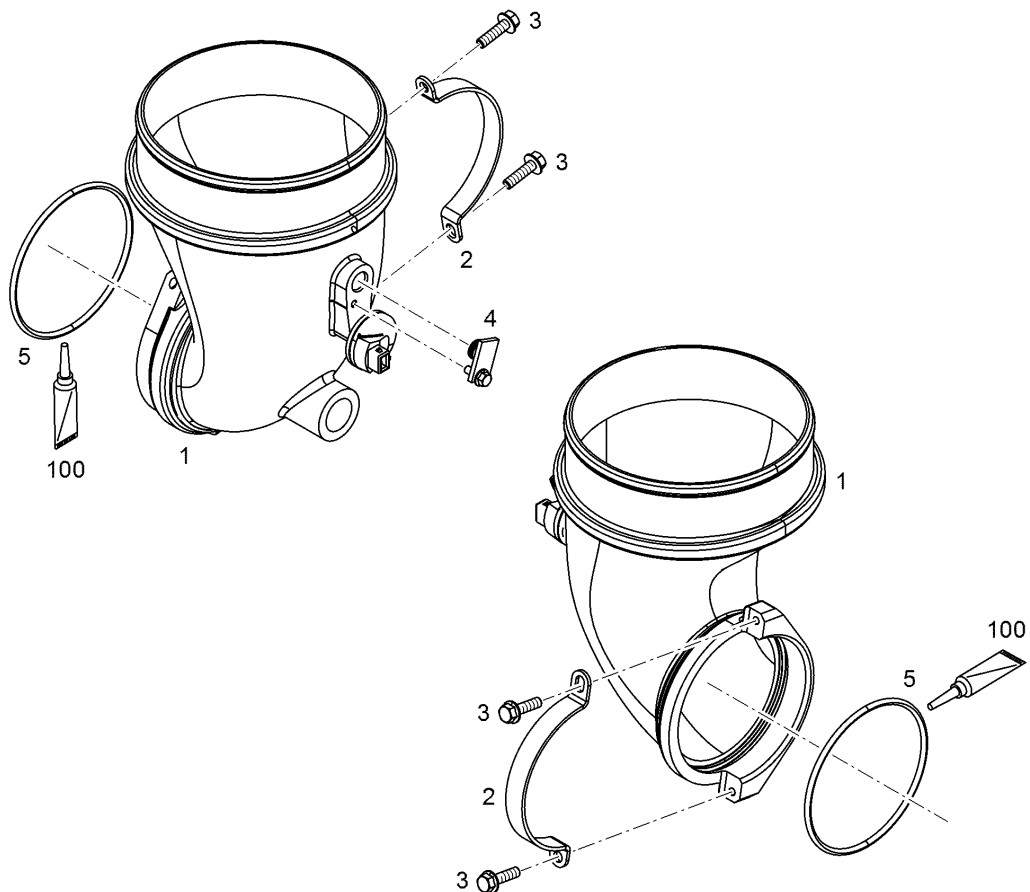
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610045	-	Air intake right	1	UN		
2	230610046	-	Air intake left	1	UN		
3	230611950	-	Double-ended stud	6	UN		
4	230611951	-	Nut	6	UN		
5	230610339	-	Hex screw	12	UN		
6	230610186	-	Seal	12	UN		
7	230611952	-	Hex screw	6	UN		



Intake stack assembly

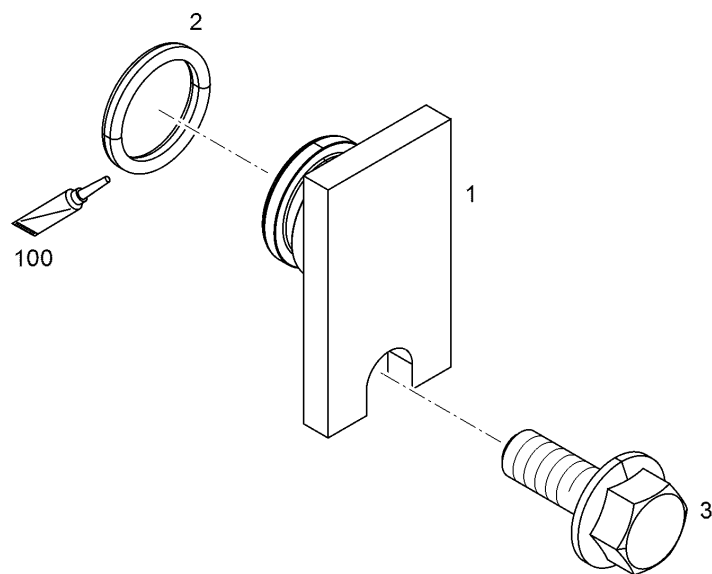
230610755

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610289	-	Intake stack	2	UN		
2	230610157	-	Clamp-half	2	UN		
3	230610322	-	Hex screw	4	UN		
4	230610574	-	Locking pieces	1	UN		68
5	230610209	-	O-ring	2	UN		
100	230610702	-	Grease	1	UN		9



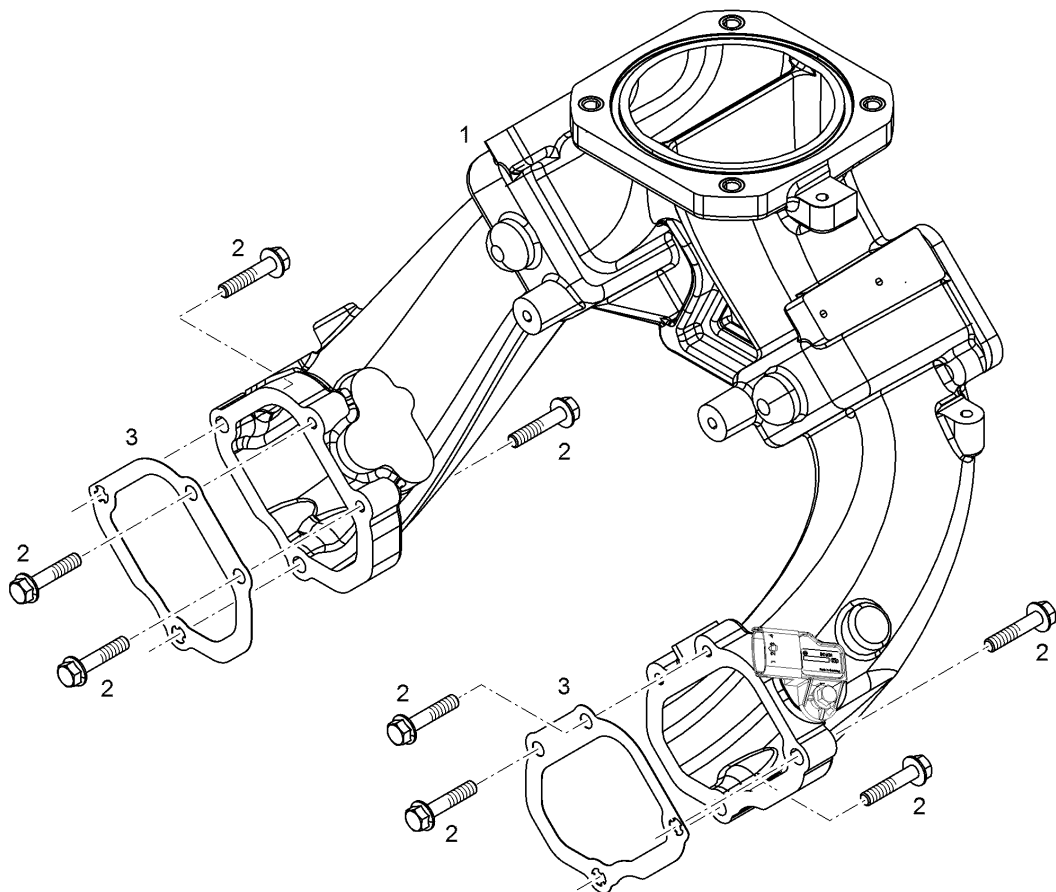
Locking pieces
230610574

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		9



Connecting line add-on
230610752

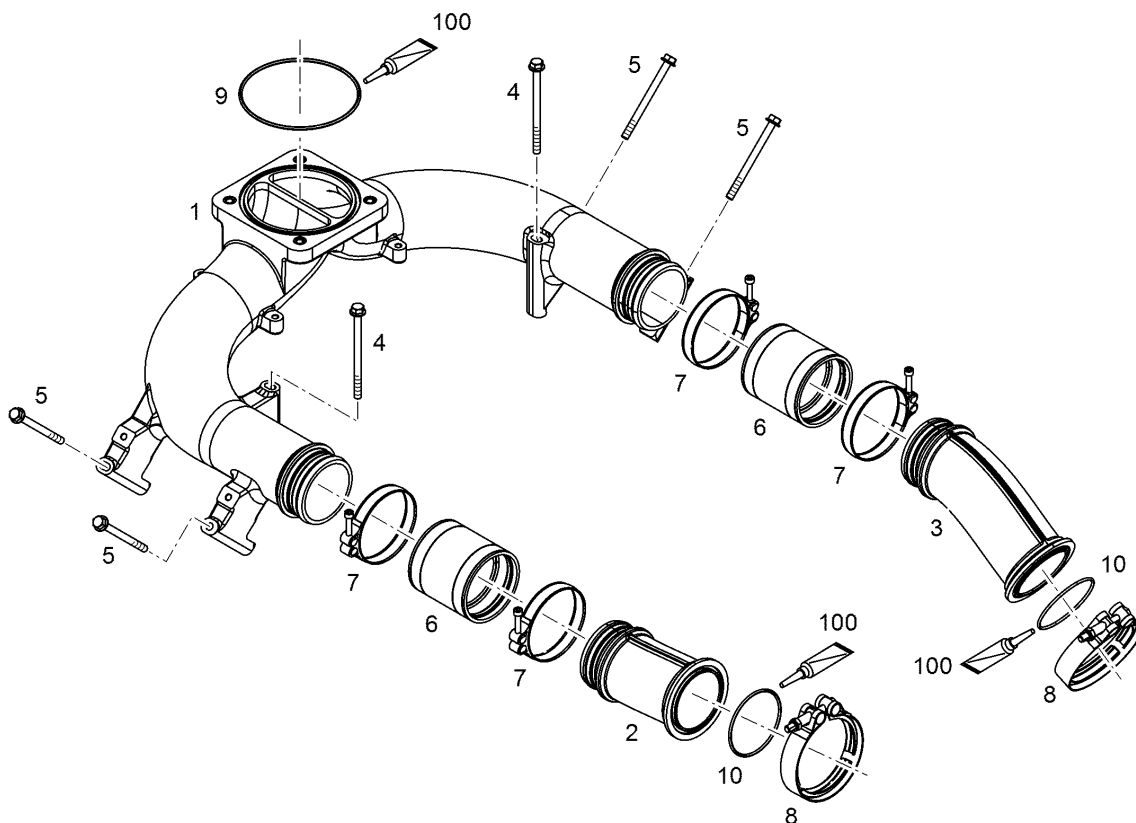
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610740	-	Connecting pipe pre-ass.	1	UN			
2	230610330	-	Hex screw	8	UN			
3	230610188	-	Seal	2	UN			



Charge air line assembly

230610891

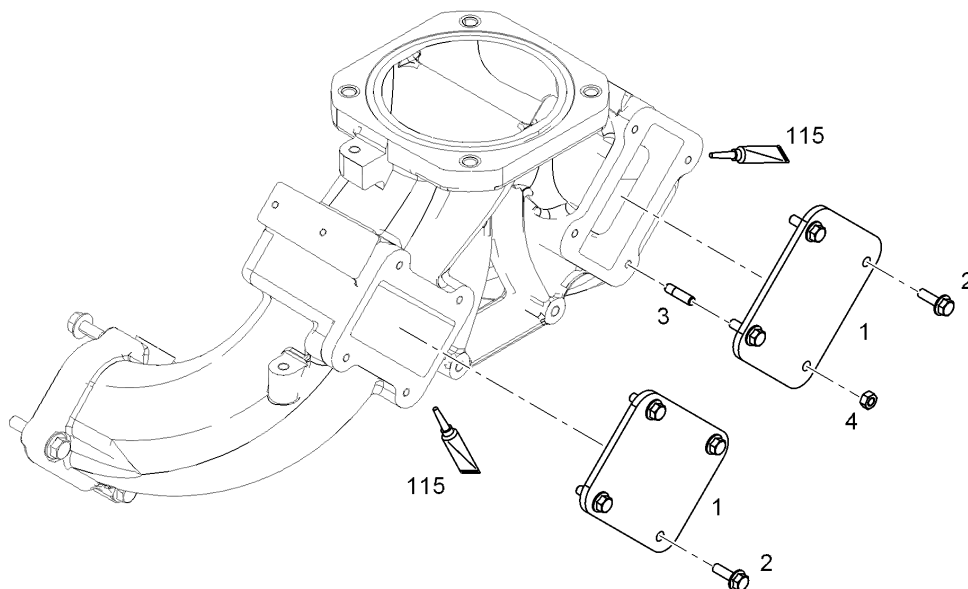
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610104	-	Charge air line pre-ass.	1	UN			
2	230610291	-	Pipe socket left	1	UN			
3	230610290	-	Pipe socket right	1	UN			
4	230610338	-	Hex screw	2	UN			
5	230610335	-	Hex screw	4	UN			
6	230610217	-	Rubber connection	2	UN			
7	230610099	-	Hose clamp	4	UN			
8	230610100	-	Retainer clip	2	UN			
9	230610211	-	O-ring	1	UN			
10	230610202	-	O-ring	2	UN			
100	230610702	-	Grease	1	UN			9



Cover

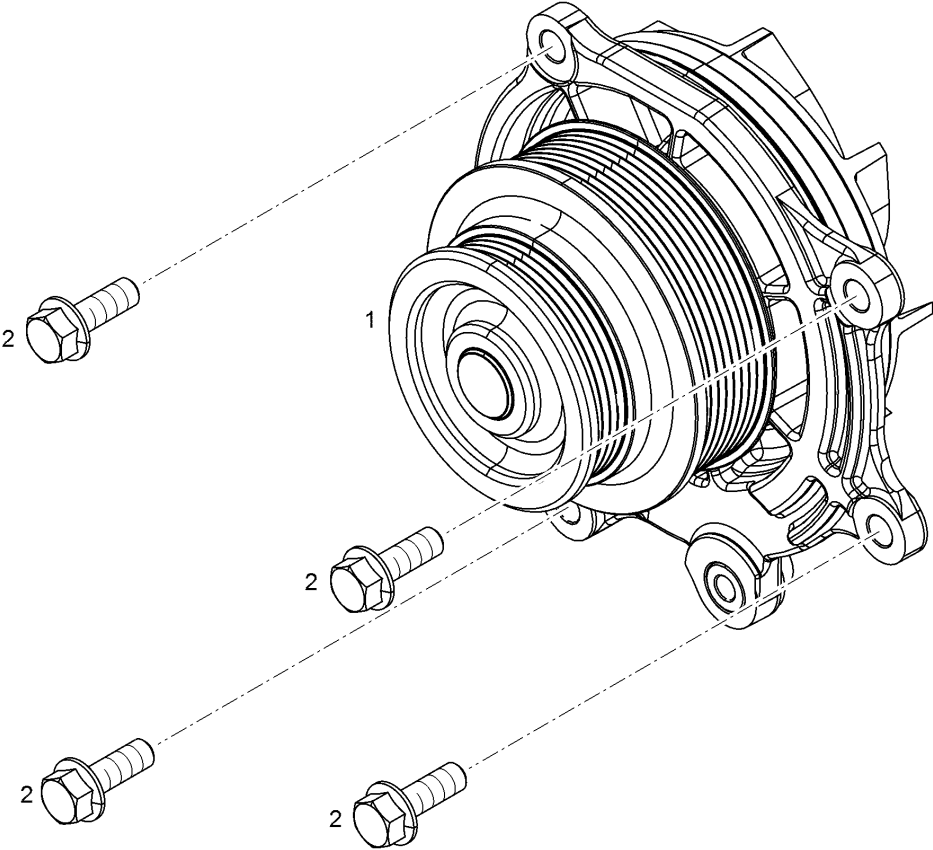
230610595

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610555	-	Cover	2	UN		
2	230610315	-	Hex screw	7	UN		
3	230610396	-	Double-ended stud	1	UN		
4	230610402	-	Hex nut	1	UN		
115	230610710	-	Surface sealing	1	UN		



Water pump with fastening
230610230

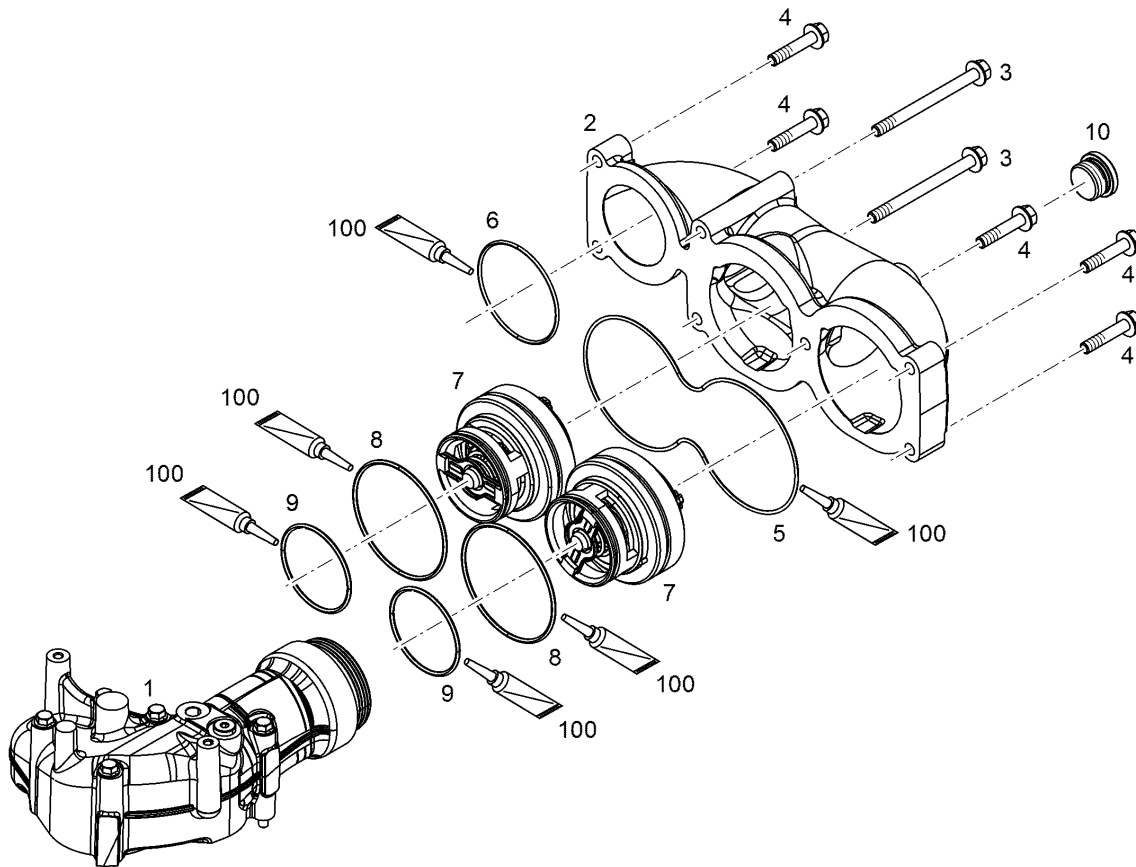
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610894	-	Water pump, pre-assembled	1	UN			
2	230610323	-	Hex screw	4	UN			



Thermostat housing assembly

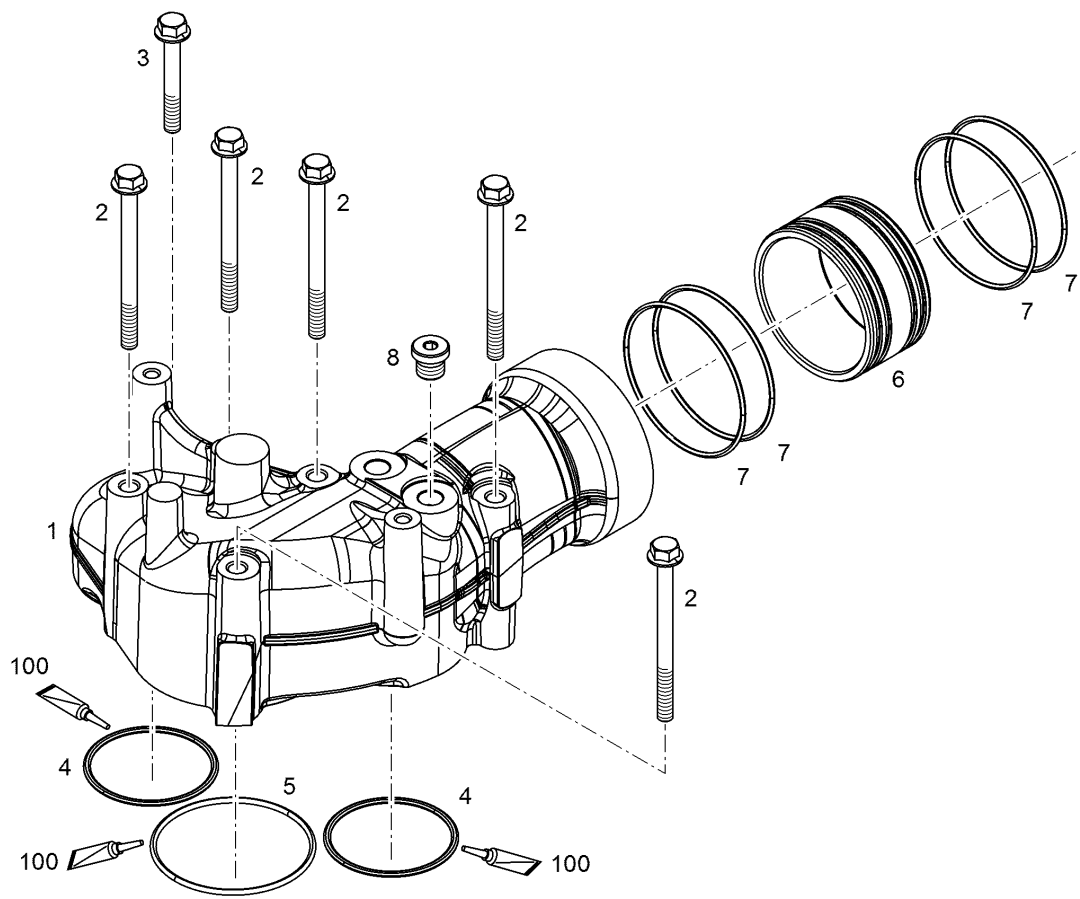
230610925

Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610662	-	Thermostat housing pre-ass.	1	UN		74
2	230610141	-	Coolant pipe bend	1	UN		
3	230610340	-	Hex screw	2	UN		
4	230610327	-	Hex screw	5	UN		
5	230610205	-	O-ring	1	UN		
6	230610206	-	O-ring	1	UN		
7	230610286	-	Thermostat	2	UN		
8	230610208	-	O-ring	2	UN		
9	230610200	-	O-ring	2	UN		
10	230610069	-	Screw plug	1	UN		
100	230610702	-	Grease	1	UN		9



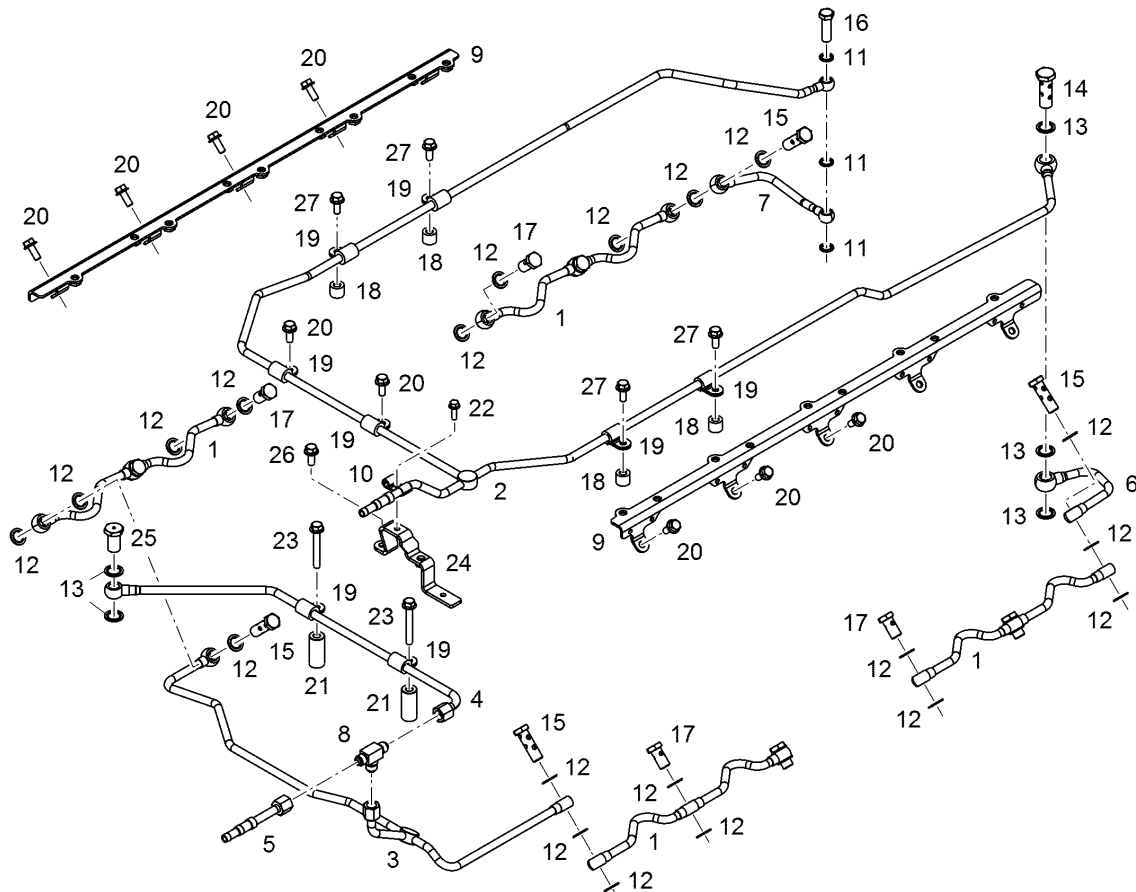
Thermostat housing pre-ass. 230610662

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610661	-	Thermostat housing	1	UN		
2	230610335	-	Hex screw	5	UN		
3	230610329	-	Hex screw	1	UN		
4	230610483	-	O-ring	2	UN		
5	230610202	-	O-ring	1	UN		
6	230610637	-	Tube	1	UN		
7	230610416	-	O-ring	4	UN		
8	230610064	-	Screw plug	1	UN		
100	230610702	-	Grease	1	UN		9



Vent tube assembly 230610893

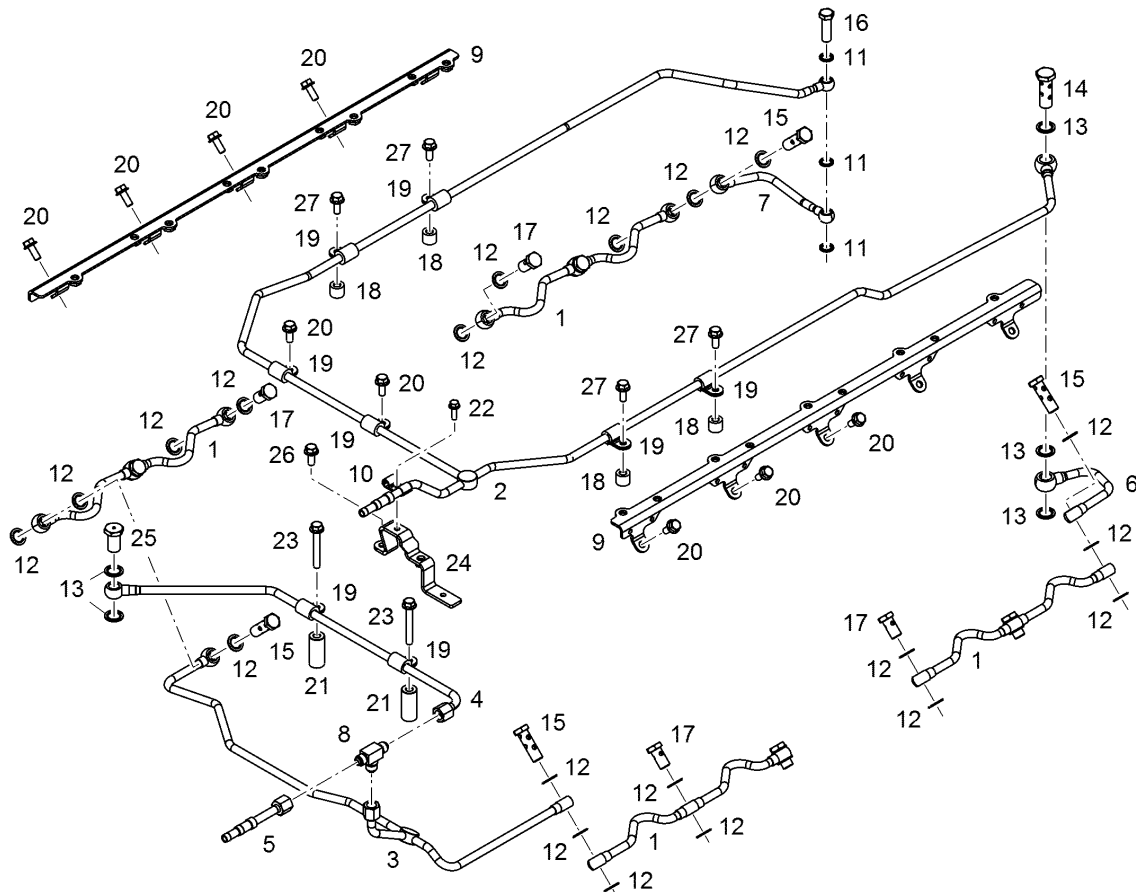
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610130	-	Ventilation line	4	UN			
2	230610132	-	Ventilation line	1	UN			
3	230610131	-	Ventilation line	1	UN			
4	230610128	-	Ventilation line	1	UN			
5	230610129	-	Ventilation line	1	UN			
6	230610127	-	Ventilation line	1	UN			
7	230610126	-	Ventilation line	1	UN			
8	230610248	-	Flange joint	1	UN			
9	230610285	-	Holder	2	UN			
10	230610366	-	Pipe clamp	1	UN			
11	230610051	-	Sealing ring	3	UN			
12	230610056	-	Sealing ring	28	UN			
13	230610052	-	Sealing ring	5	UN			
14	230610346	-	Double banjo bolt	1	UN			
15	230610345	-	Double banjo bolt	4	UN			
16	230610347	-	Double banjo bolt	1	UN			



Vent tube assembly

230610893

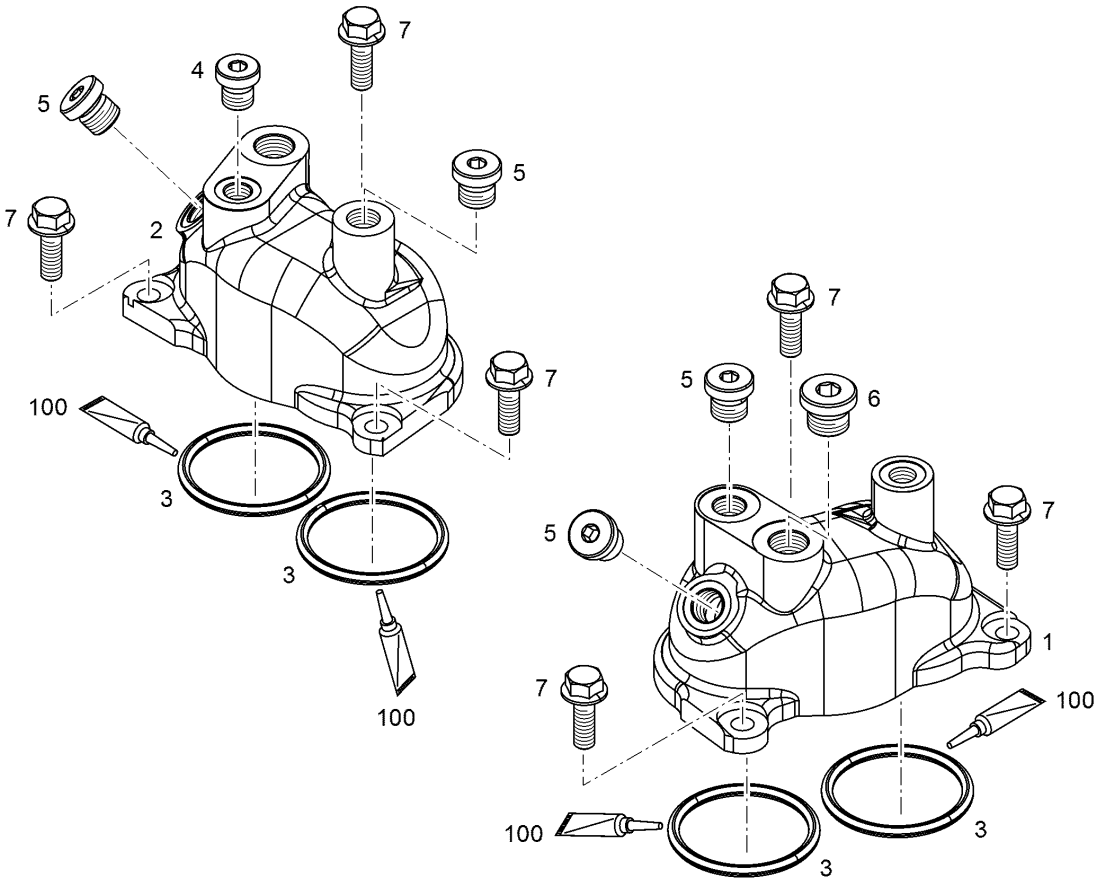
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230612360	-	Hollow screw	8	UN			
18	230610264	-	Washer	4	UN			
19	230610087	-	Clamp	8	UN			
20	230610318	-	Hex screw	9	UN			
21	230610174	-	Spacer piece	2	UN			
22	230611946	-	Screw	1	UN			
23	230610329	-	Hex screw	2	UN			
24	230610281	-	Holder	1	UN			
25	230610361	-	Hollow screw	1	UN			
26	230612333	-	Hex screw	1	UN			
27	230610322	-	Hex screw	4	UN			



Coolant pipe bend add-on

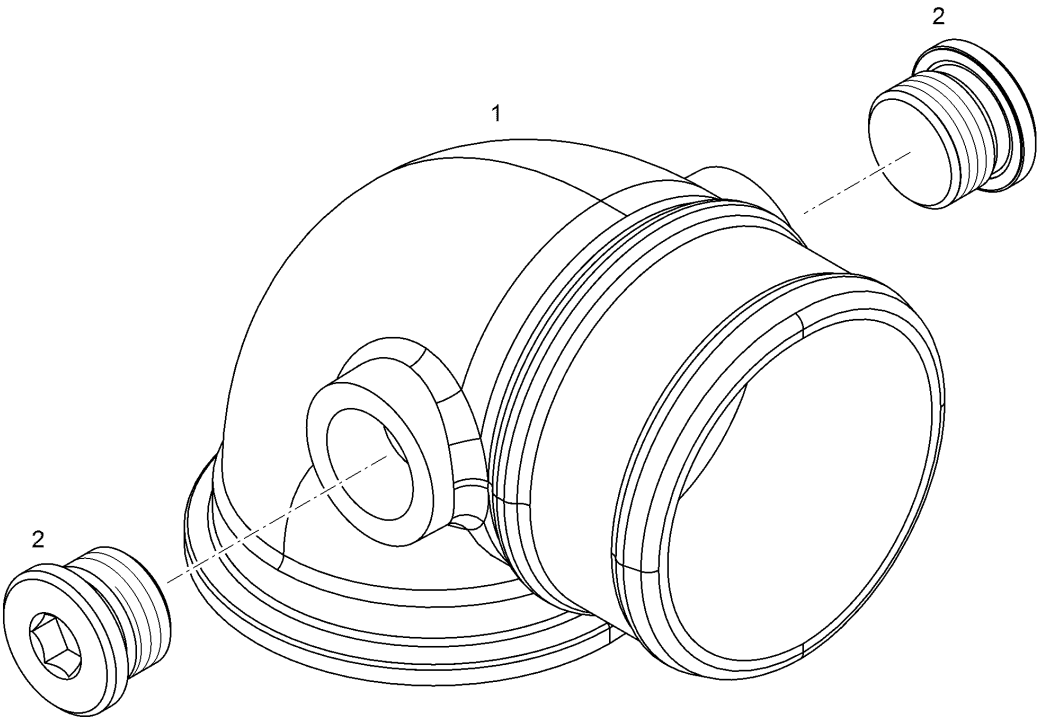
230610550

Po S.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610139	-	Coolant pipe bend	1	UN			
2	230610140	-	Coolant pipe bend	1	UN			
3	230610204	-	O-ring	4	UN			
4	230610068	-	Screw plug	1	UN			
5	230610064	-	Screw plug	4	UN			
6	230610065	-	Screw plug	1	UN			
7	230611482	-	Hex screw	6	UN			
100	230610702	-	Grease	1	UN			9



Connection f.water pipe
230610685

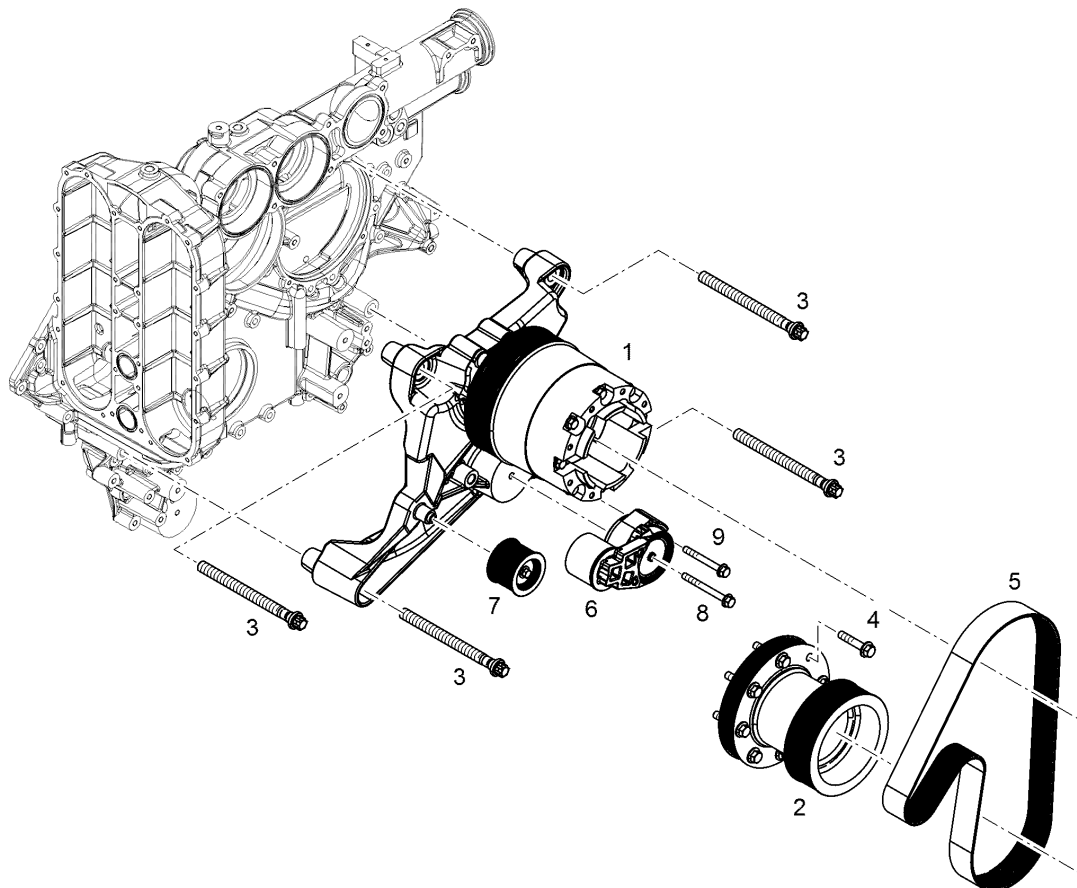
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610142	-	Connecting elbow	1	UN		
2	230610066	-	Screw plug	2	UN		



Fan drive assembly

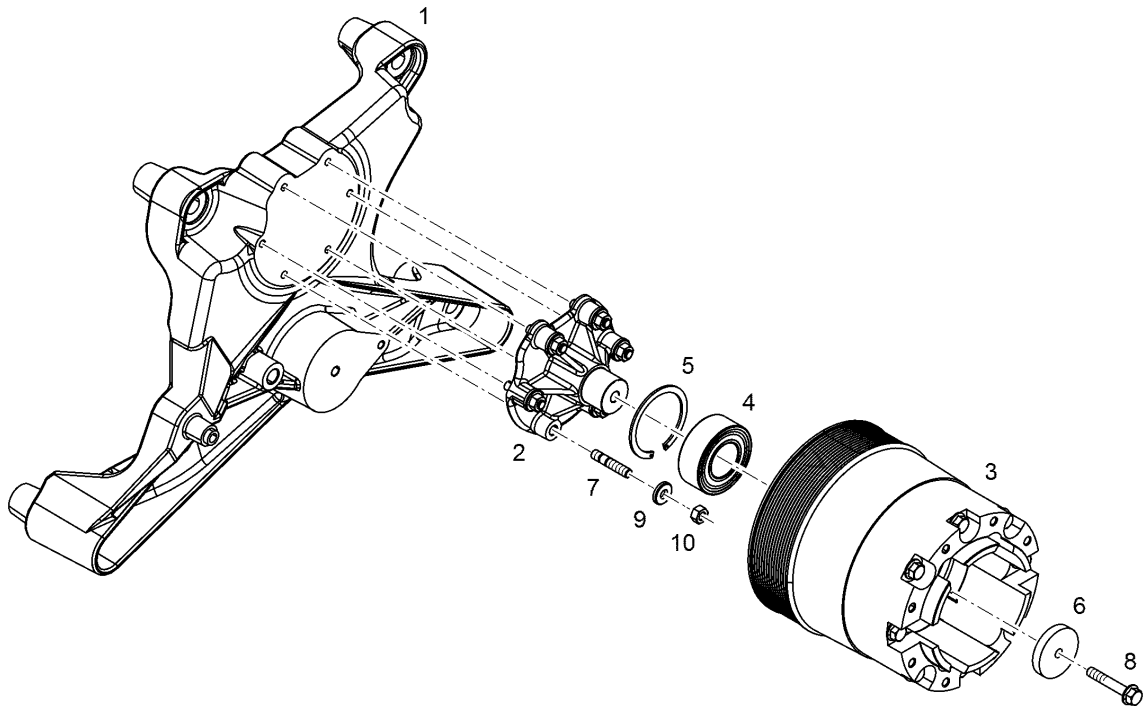
230610900

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610165	-	Fan drive	1	UN		80
2	230610235	-	Belt pulley	1	UN		
3	230610343	-	Hexalobular head screw	4	UN		
4	230610337	-	Hex screw	8	UN		
5	230611947	-	Belt	1	UN		
6	230610159	-	Fastening device	1	UN		
7	230610238	-	Guide pulley compl.	1	UN		
8	230610339	-	Hex screw	1	UN		
9	230610331	-	Hex screw	1	UN		



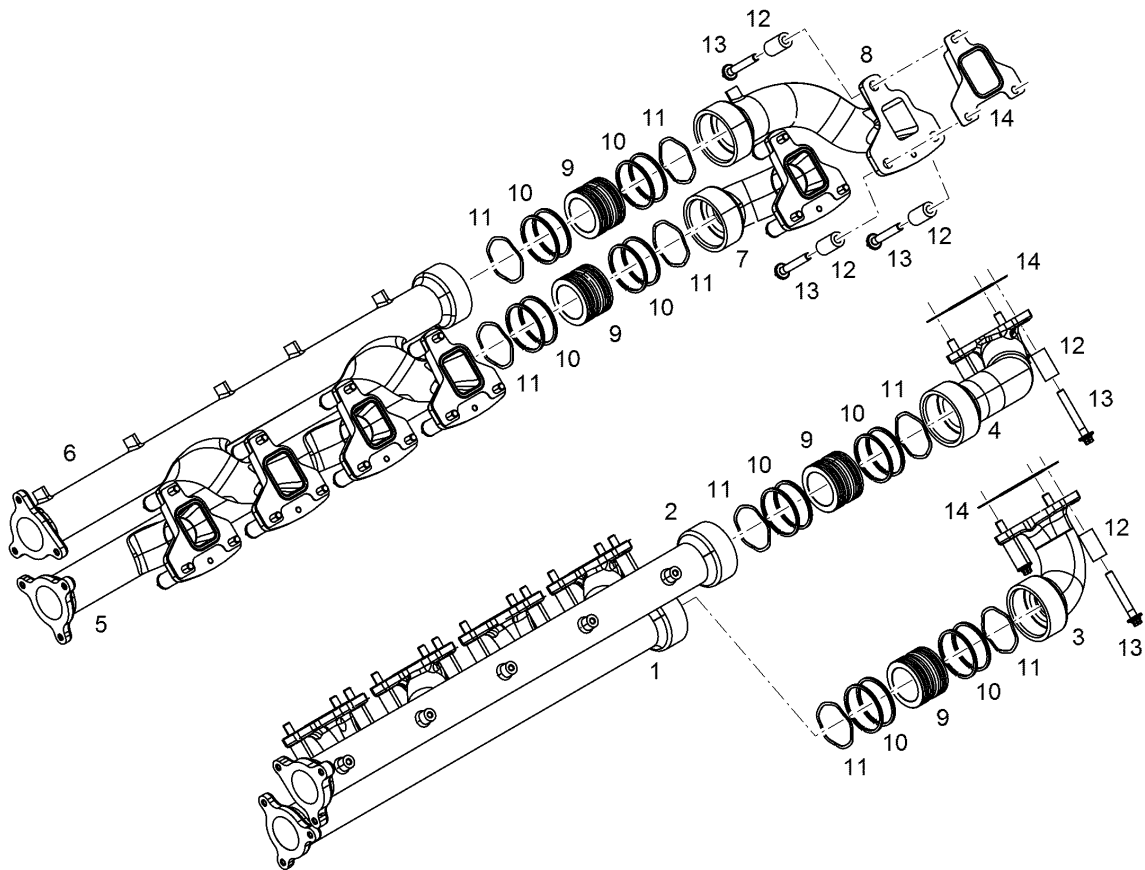
Fan drive 230610165

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610138	-	Console	1	UN		
2	230611948	-	Fan shaft	1	UN		
3	230610365	-	V-belt pulley pre-ass.	1	UN		
4	230610751	-	Steep-angle bearing	1	UN		
5	230610381	-	Locking ring	1	UN		
6	230610553	-	Washer	1	UN		
7	230612775	-	Double ended stud	6	UN		
8	230610467	-	Hex screw	1	UN		
9	230611949	-	Washer	6	UN		
10	230610162	-	Hex nut	6	UN		



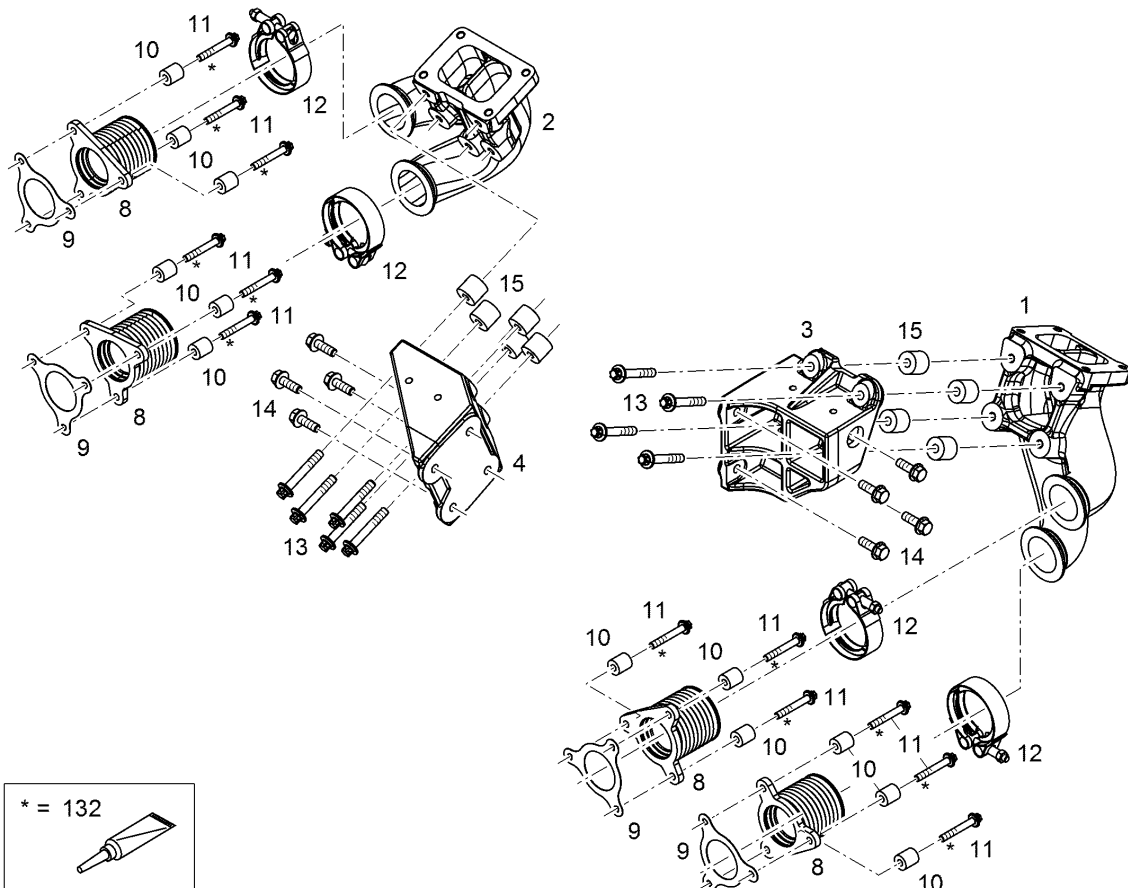
Exhaust pipe assembly 230610681

Po S.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610301	-	Exhaust pipe	1	UN			
2	230610300	-	Exhaust pipe	1	UN			
3	230610297	-	Exhaust pipe	1	UN			
4	230610299	-	Exhaust pipe	1	UN			
5	230610302	-	Exhaust pipe	1	UN			
6	230610303	-	Exhaust pipe	1	UN			
7	230610296	-	Exhaust pipe	1	UN			
8	230610298	-	Exhaust pipe	1	UN			
9	230610223	-	Intermediate part	4	UN			
10	230610049	-	Lamellar disk kit	16	UN			
11	230610265	-	Curved spring	8	UN			
12	230610169	-	Distance sleeve	36	UN			
13	230610350	-	Hexalobular head screw	36	UN			
14	230610189	-	Seal	12	UN			



Outlet manifold add-on 230610909

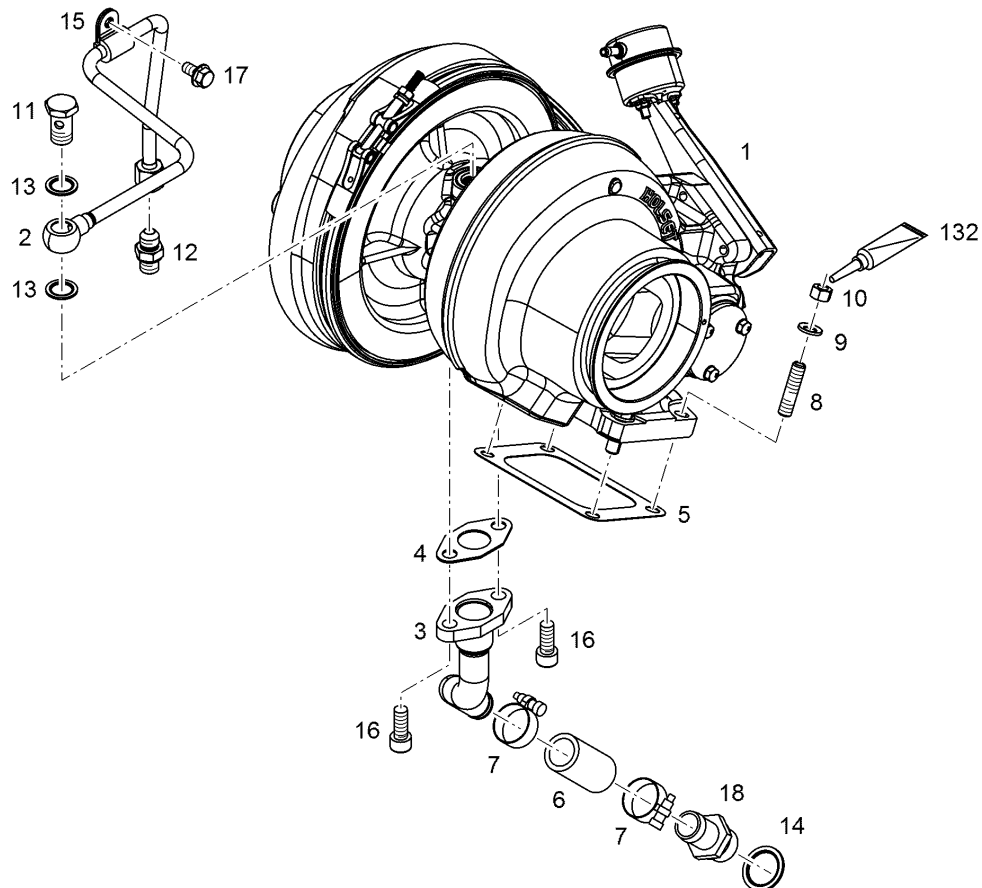
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610145	-	Exhaust manifold left	1	UN			
2	230610144	-	Exhaust manifold right	1	UN			
3	230610530	-	Holder	1	UN			
4	230610646	-	Holder	1	UN			
8	230610103	-	Compensator	4	UN			
9	230610192	-	Seal	4	UN			
10	230610170	-	Distance sleeve	12	UN			
11	230610341	-	Hexalobular head screw	12	UN			
12	230610101	-	Retainer clip	4	UN			
13	230610344	-	Hexalobular head screw	9	UN			
14	230610331	-	Hex screw	8	UN			
15	230610173	-	Distance sleeve	9	UN			
132	230610456	-	Copper paste	1	UN			



Exhaust tc mounting

230610294

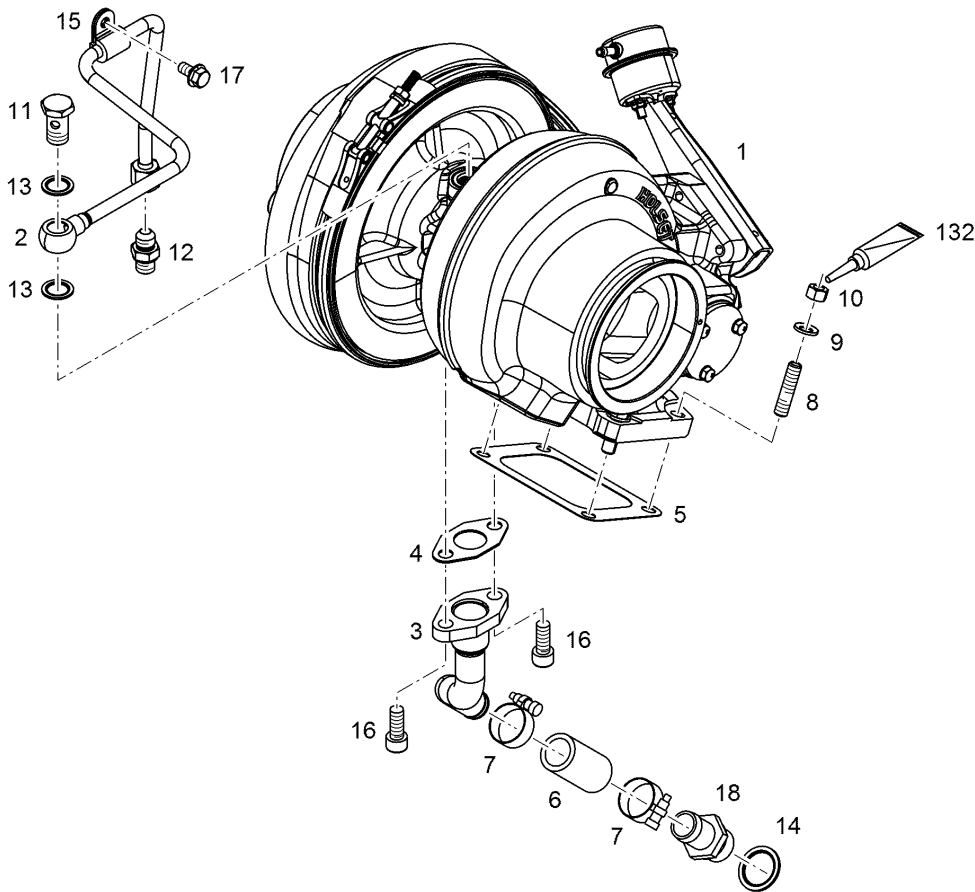
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610827	-	Exhaust gas turbocharger	1	UN			
2	230610134	-	Lubricating oil line	1	UN			
3	230610136	-	Oil return pipe	1	UN			
4	230610187	-	Seal	1	UN			
5	230610193	-	Seal	1	UN			
6	230610215	-	Rubber connection	1	UN			
7	230610085	-	Hose clamp	2	UN			
8	230610180	-	Double-ended stud	4	UN			
9	230610263	-	Washer	4	UN			
10	230610163	-	Nut	4	UN			
11	230610353	-	Hollow screw	1	UN			
12	230610243	-	Flange joint	1	UN			
13	230610052	-	Sealing ring	2	UN			
14	230610059	-	Sealing ring	1	UN			
15	230610087	-	Clamp	1	UN			
16	230610316	-	Socket head screw	2	UN			



Exhaust tc mounting

230610294

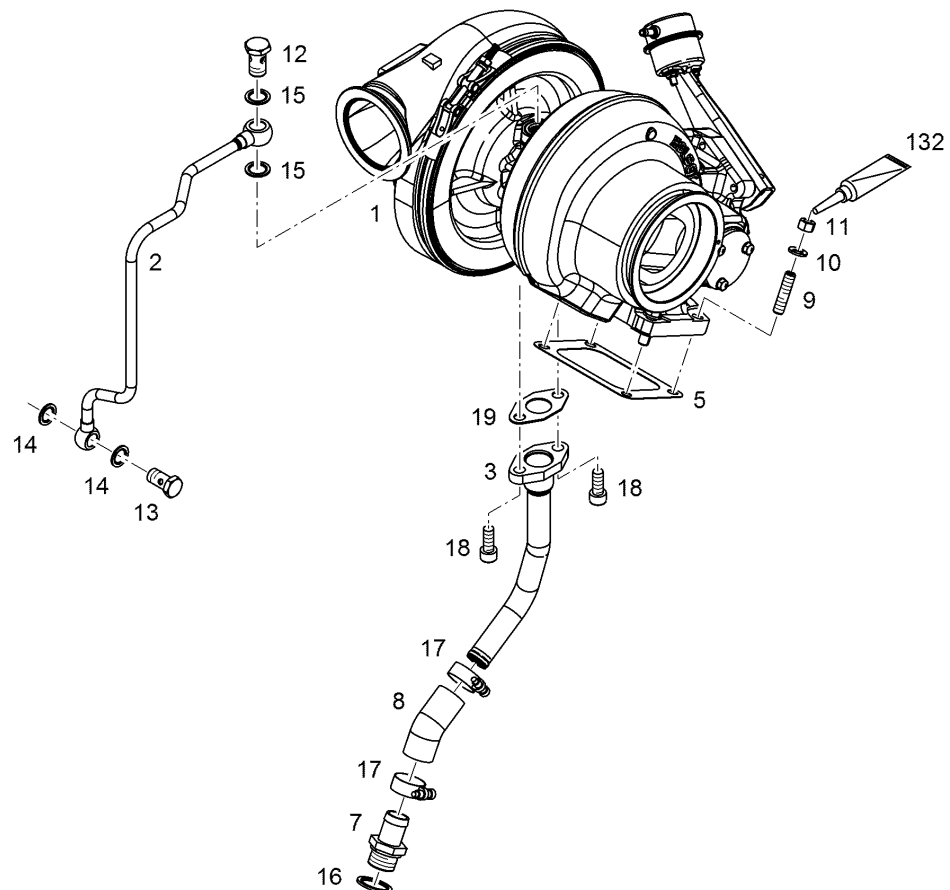
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610314	-	Hex screw	1	UN			
18	230610253	-	Hose nipple	1	UN			
132	230610456	-	Copper paste	1	UN			



Exhaust tc mounting

230610295

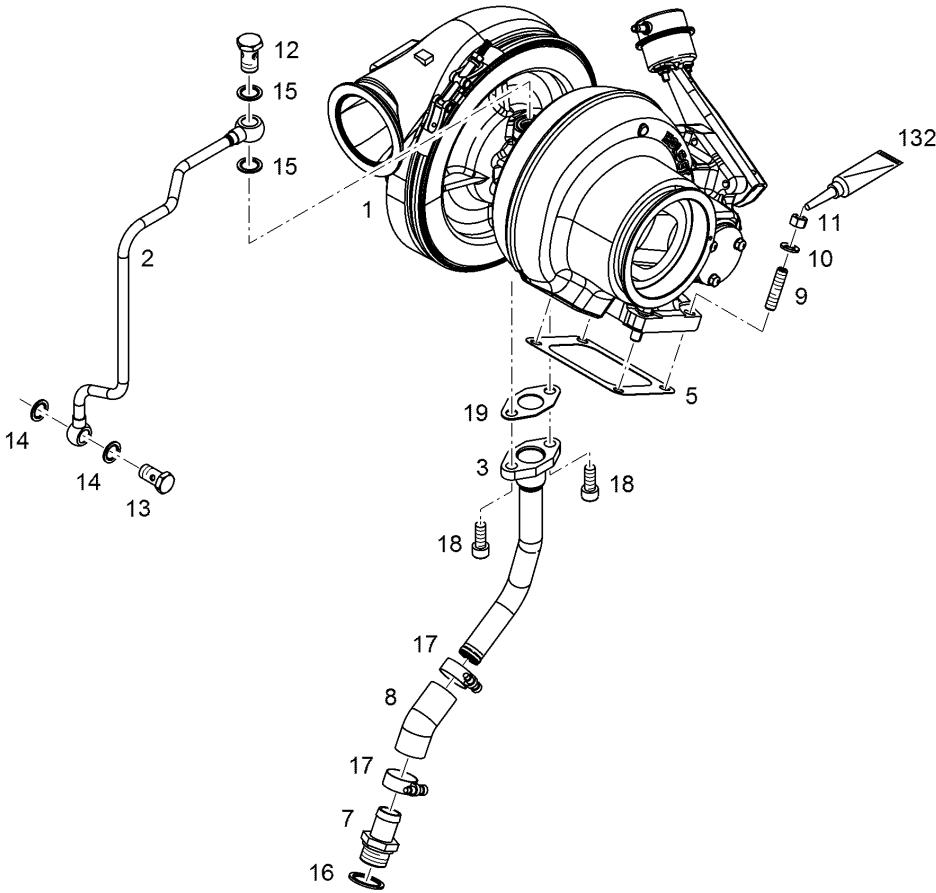
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610828	-	Exhaust gas turbocharger	1	UN			
2	230610135	-	Lubricating oil line	1	UN			
3	230610137	-	Oil return pipe	1	UN			
5	230610193	-	Seal	1	UN			
7	230610253	-	Hose nipple	1	UN			
8	230610216	-	Rubber connection	1	UN			
9	230610180	-	Double-ended stud	4	UN			
10	230610263	-	Washer	4	UN			
11	230610163	-	Nut	4	UN			
12	230610353	-	Hollow screw	1	UN			
13	230610351	-	Hollow screw	1	UN			
14	230610056	-	Sealing ring	2	UN			
15	230610052	-	Sealing ring	2	UN			
16	230610059	-	Sealing ring	1	UN			
17	230610085	-	Hose clamp	2	UN			
18	230610316	-	Socket head screw	2	UN			



Exhaust tc mounting

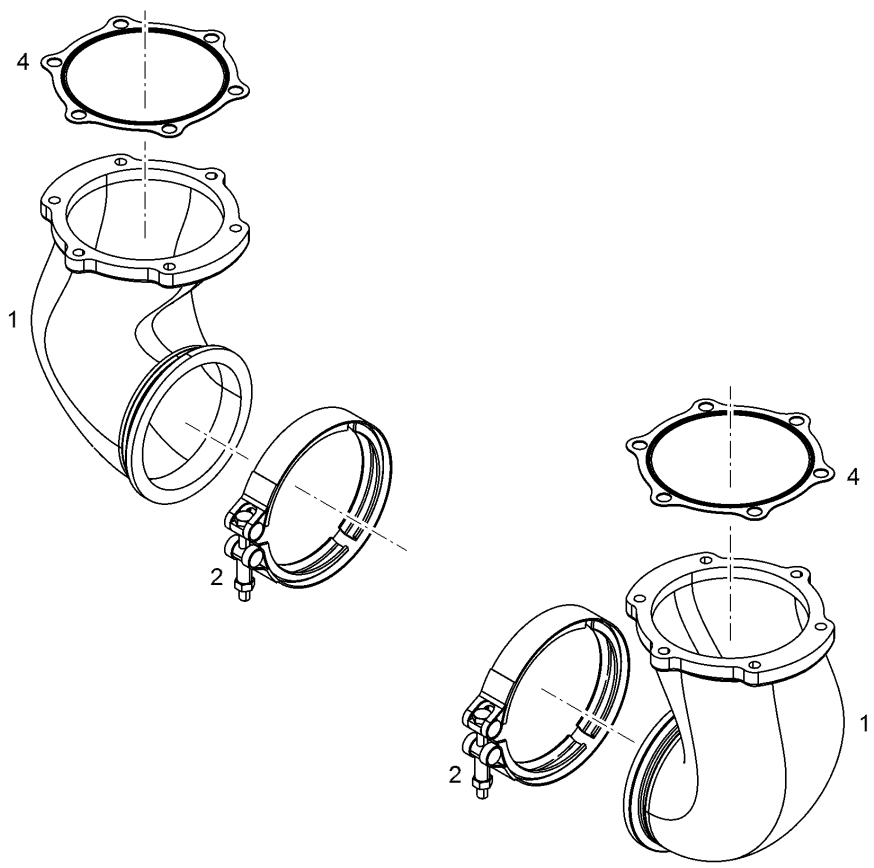
230610295

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
19	230610187	-	Seal	1	UN			
132	230610456	-	Copper paste	1	UN			



Outlet manifold add-on 230610147

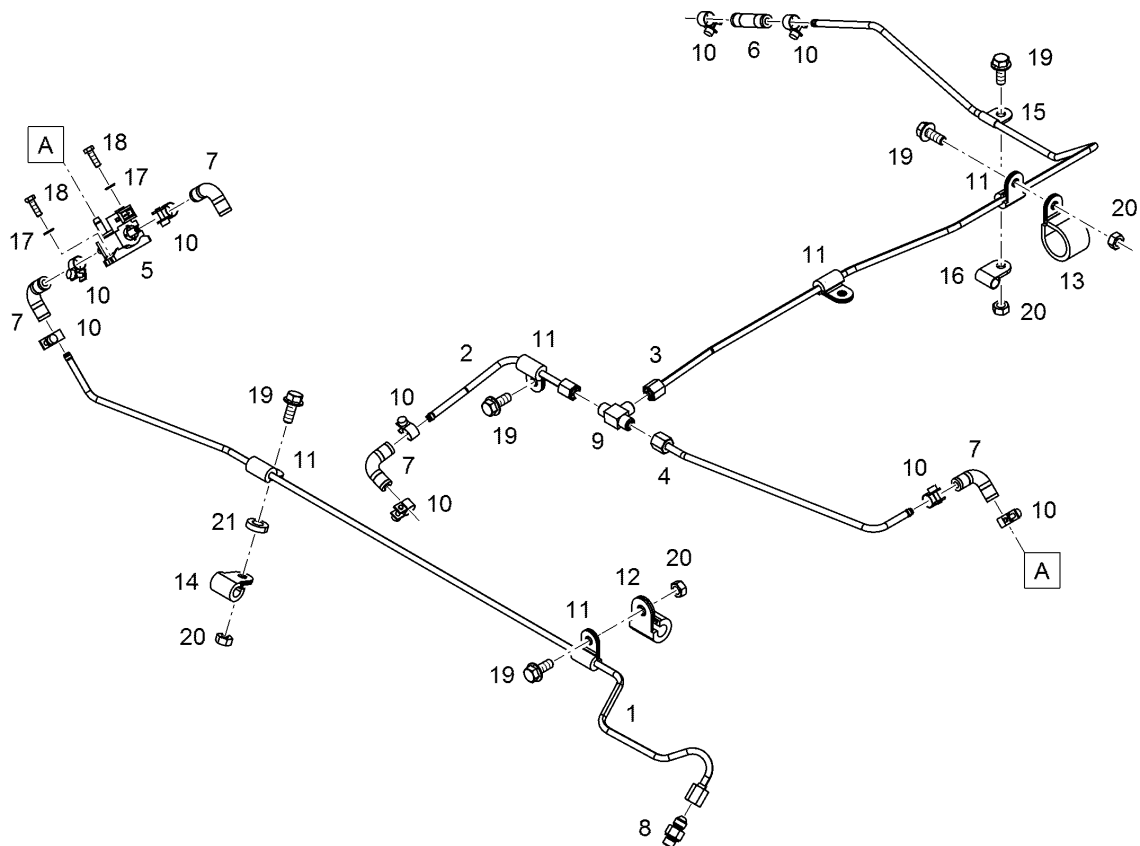
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610838	-	Outlet manifold	2	UN		
2	230610102	-	Retainer clip	2	UN		
4	230610195	-	Seal	2	UN		



Regulation boost pressure

230610774

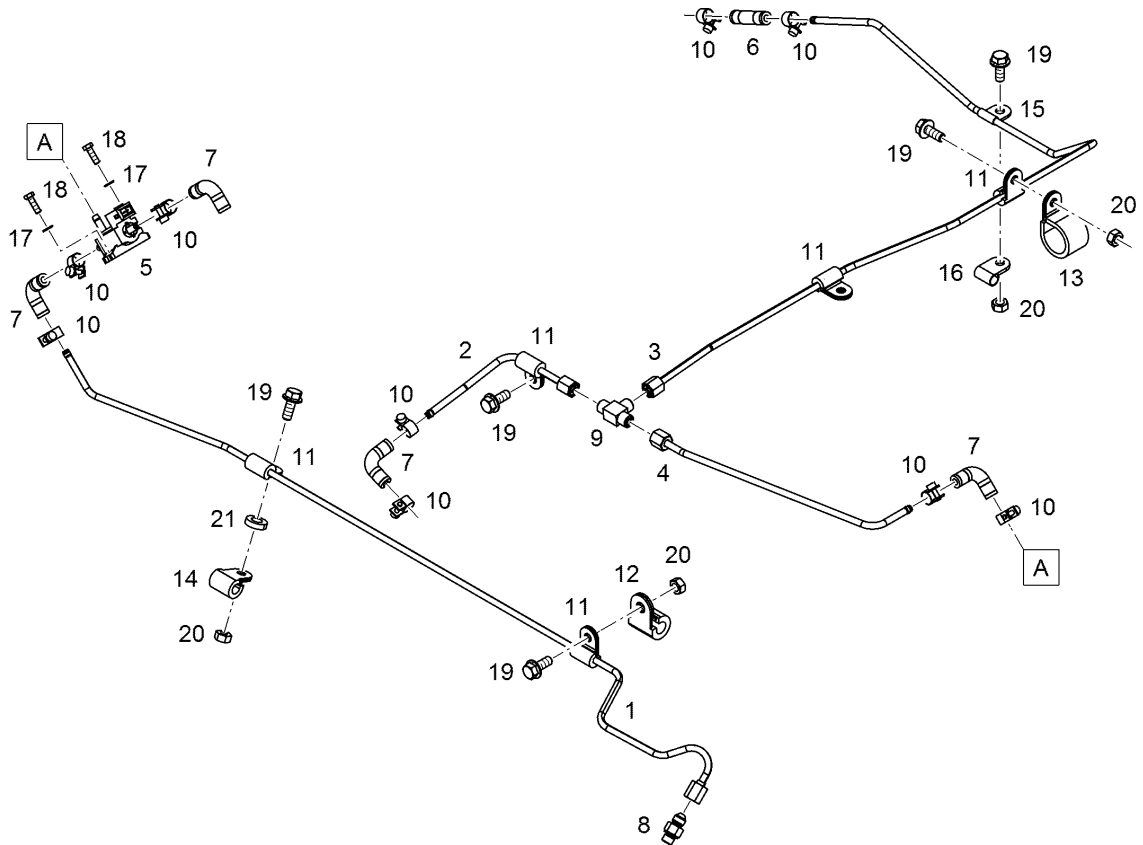
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610304	-	Pipeline	1	UN			
2	230610306	-	Pipeline	1	UN			
3	230610307	-	Pipeline	1	UN			
4	230610305	-	Pipeline	1	UN			
5	230610082	-	Cycle valve	1	UN			
6	230610212	-	Rubber connection	1	UN			
7	230610214	-	Rubber connection	4	UN			
8	230610242	-	Flange joint	1	UN			
9	230610240	-	Flange joint	1	UN			
10	230610083	-	Hose clamp	9	UN			
11	230610088	-	Clamp	5	UN			
12	230610095	-	Clamp	1	UN			
13	230610094	-	Clamp	1	UN			
14	230610087	-	Clamp	1	UN			
15	230610096	-	Clamp	1	UN			
16	230610084	-	Clamp	1	UN			



Regulation boost pressure

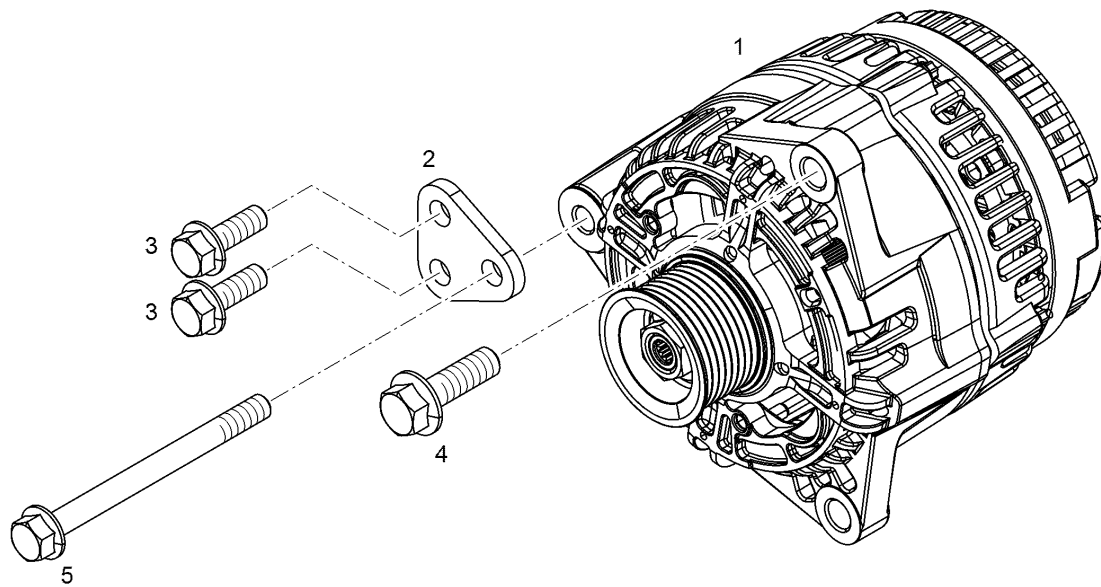
230610774

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610260	-	Washer	2	UN			
18	230610309	-	Hex screw	2	UN			
19	230610319	-	Hex screw	5	UN			
20	230610161	-	Hex nut	4	UN			
21	230610167	-	Distance sleeve	1	UN			



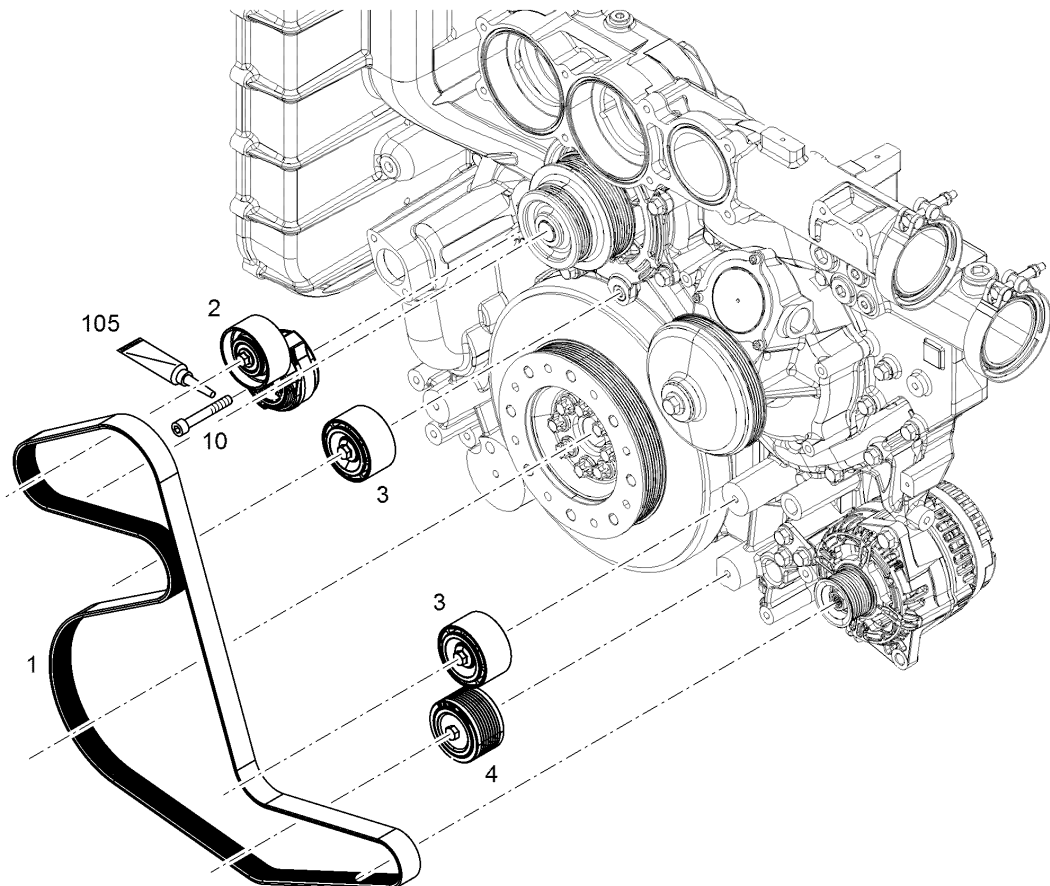
Generator add-on 230610047

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610917	-	Generator, pre-assembled	1	UN			
2	230610279	-	Holder	1	UN			
3	230610323	-	Hex screw	2	UN			
4	230612455	-	Hex screw	1	UN			
5	230610340	-	Hex screw	1	UN			



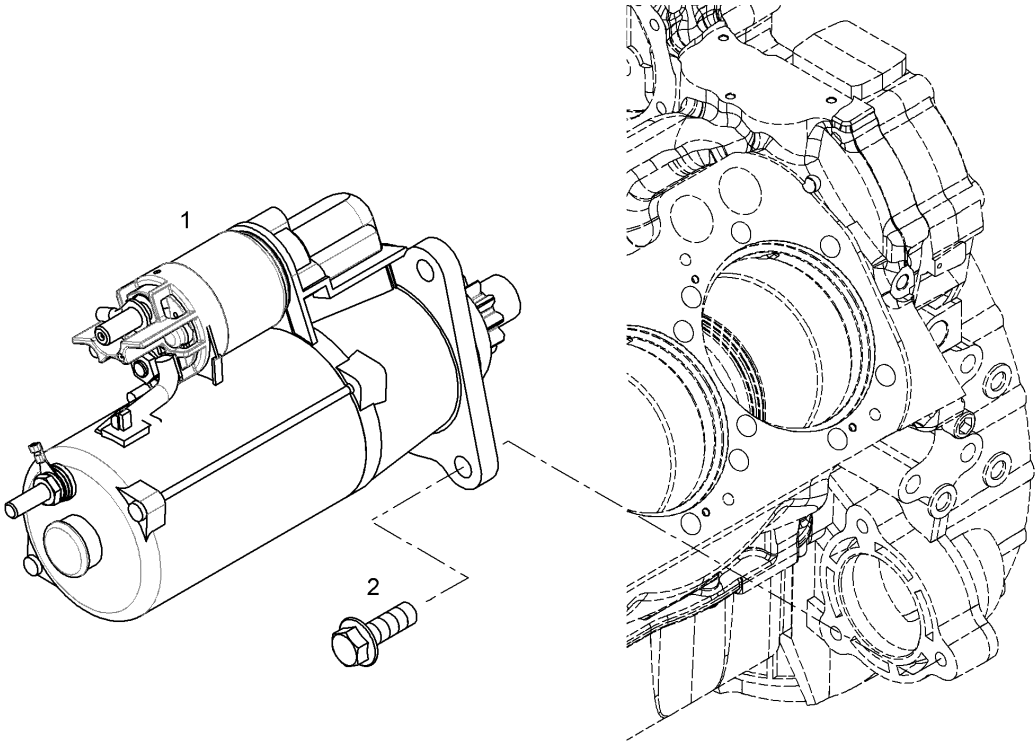
Belt drive 230610659

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610670	-	V-ripped belt	1	UN	10.13.2016	
1	230611924	-	Belt	1	UN	10.14.2016 ->	->
2	230610878	-	Fastening device	1	UN	10.13.2016	
2	230610158	-	Fastening device	1	UN	10.14.2016 ->	->
3	230610236	-	Guide pulley compl.	2	UN		
4	230610237	-	Guide pulley compl.	1	UN		
10	230610438	-	Countersunk screw	1	UN	10.13.2016	
10	230611932	-	Countersunk screw	1	UN	10.14.2016 ->	->
105	230611017	-	Screw locking	1	UN		



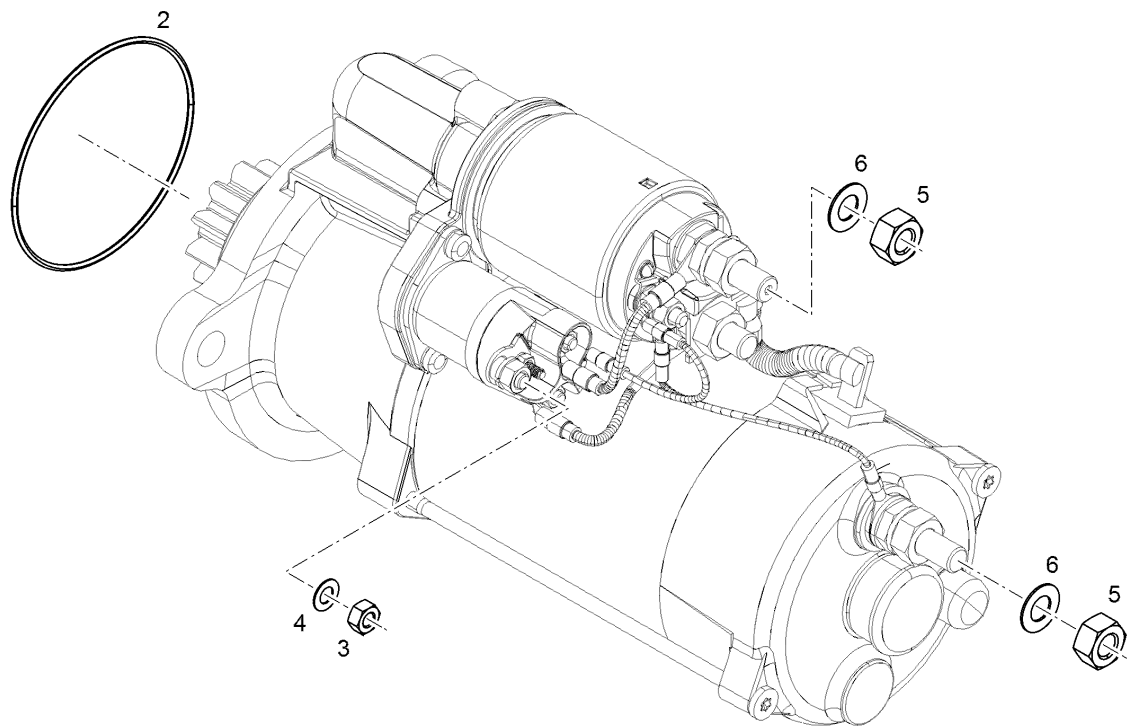
Starter installation
230610156

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610859	-	Starter pre-assy.	1	UN		93
2	230611961	-	Screw	3	UN		



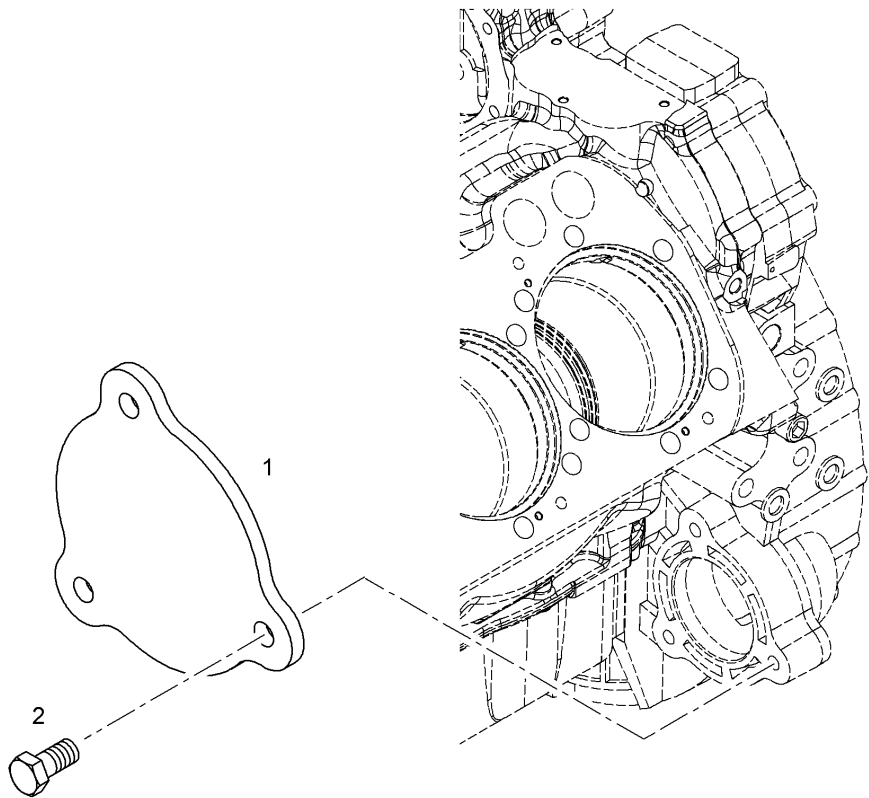
Starter pre-assy.
230610859

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
2	230610701	-	O-ring	1	UN			
3	230610714	-	Hex nut	1	UN			
4	230610712	-	Spring washer	1	UN			
5	230610715	-	Hex nut	2	UN			
6	230610713	-	Spring washer	2	UN			



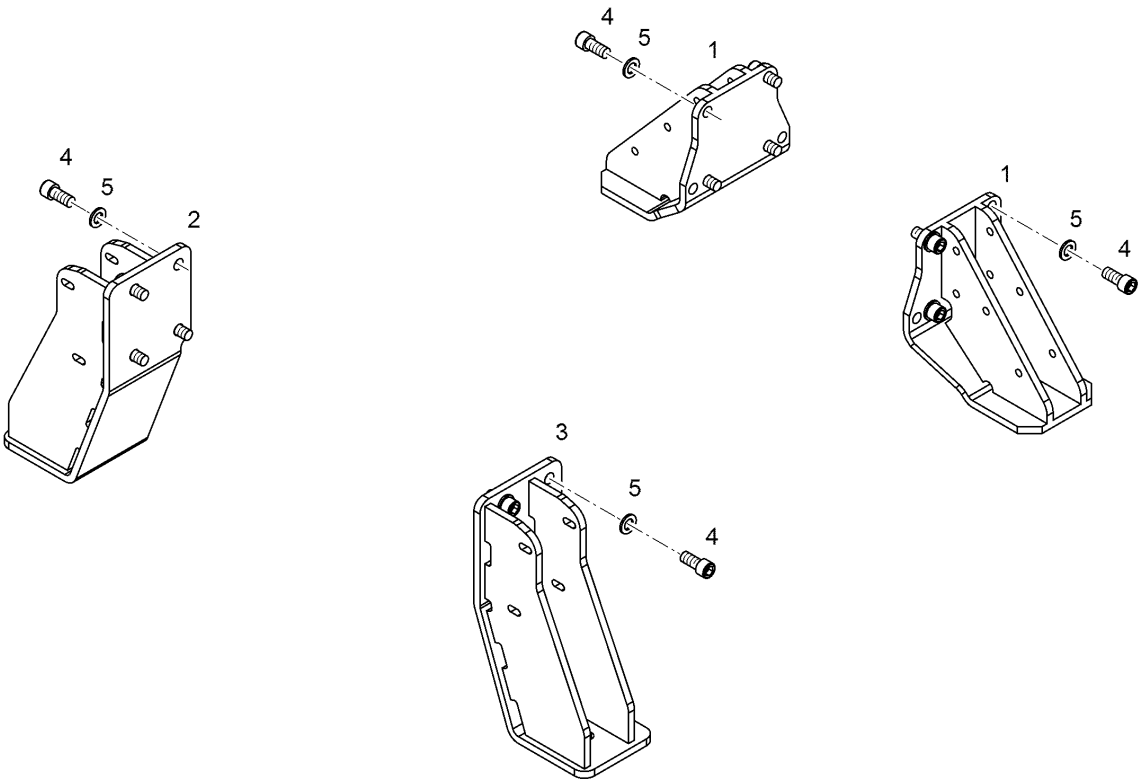
Locking pieces
230610221

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			



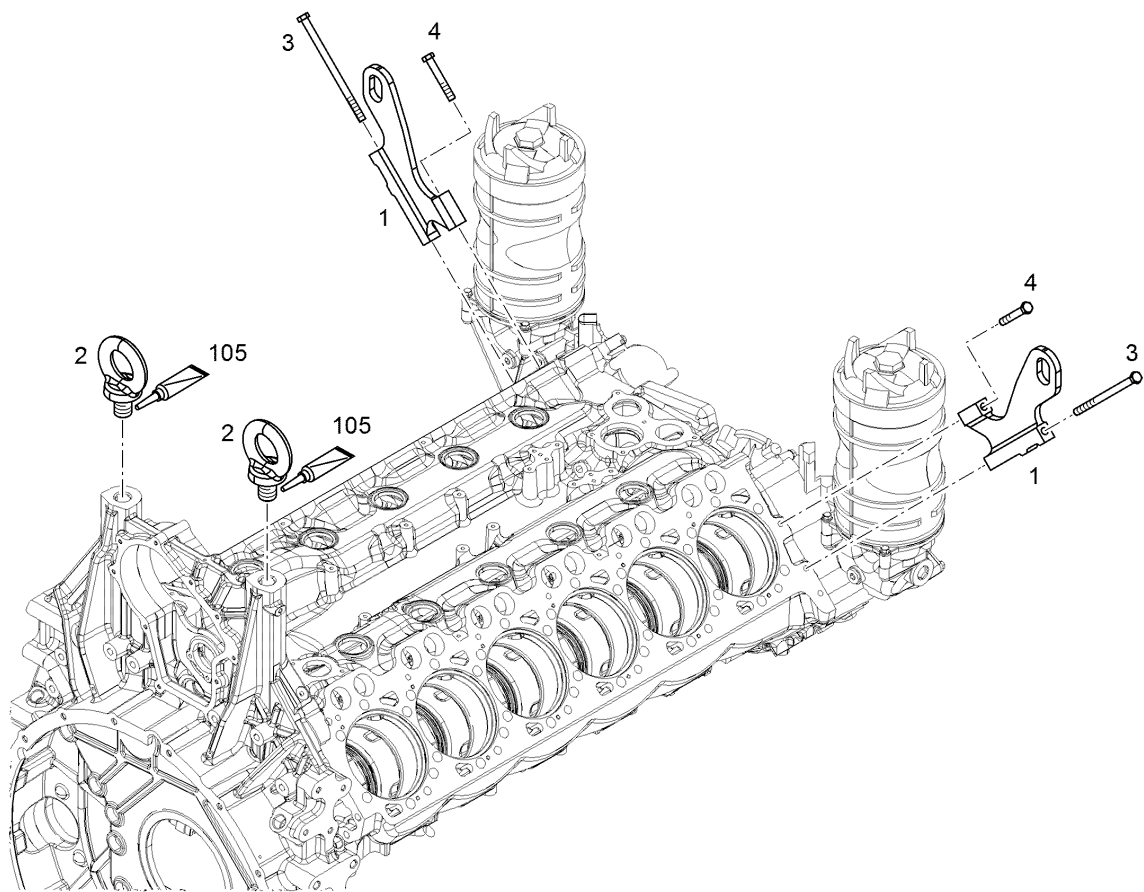
Fastening pieces assembly
230610817

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610818	-	Fixing parts	2	UN			
2	230610819	-	Fixing parts	1	UN			
3	230610834	-	Fixing parts	1	UN			
4	230611940	-	Socket head screw	16	UN			
5	230611012	-	Washer	16	UN			



Lifting device
230610571

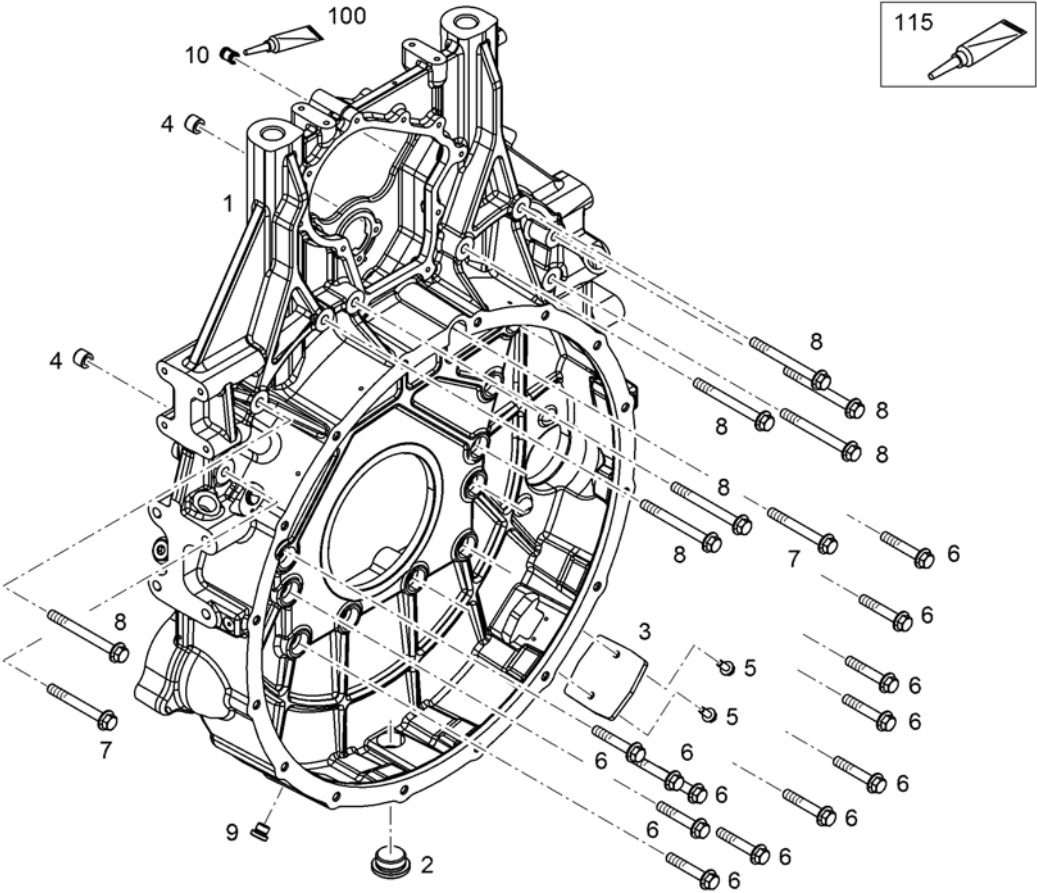
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610519	-	Lifting hook	2	UN			
2	230611011	-	Ring bolt	2	UN			
3	230612779	-	Hex screw	2	UN			
4	230610383	-	Hex screw	2	UN			
105	230611017	-	Screw locking	1	UN			



Flywheel housing mounting

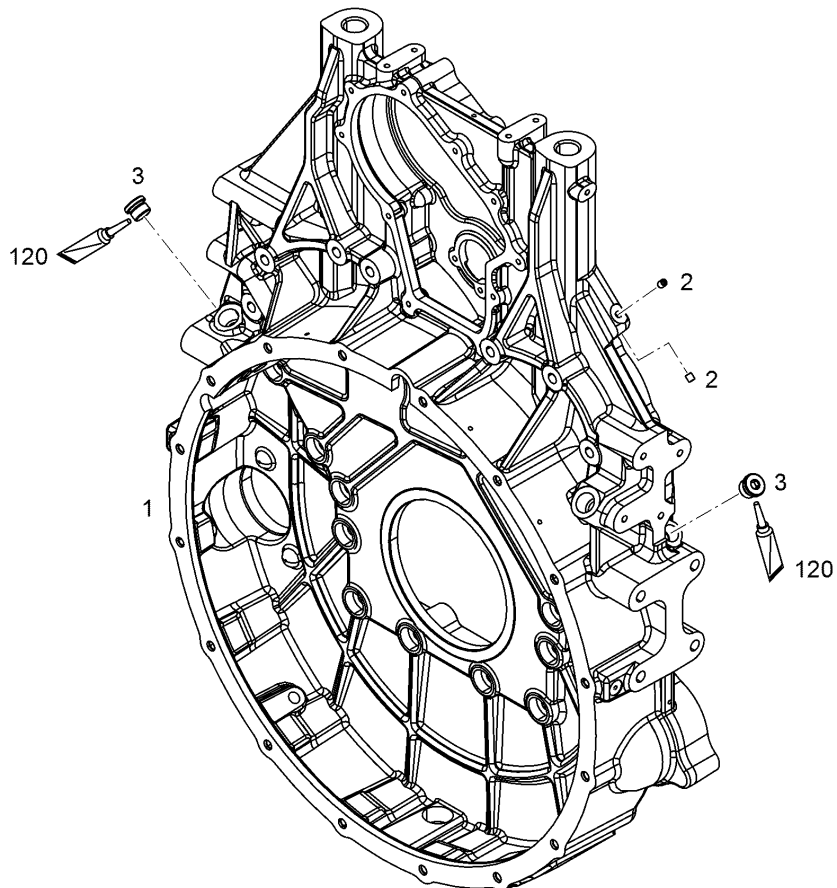
230610889

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610695	-	Flywheel housing pre-ass.	1	UN			98
2	230610070	-	Screw plug	1	UN			
3	230610440	-	Cover	1	UN			
4	230610510	-	Tight fit sleeve	2	UN			
5	230611470	-	Hex screw	2	UN			
6	230610473	-	Hex screw	12	UN			
7	230610474	-	Hex screw	2	UN			
8	230610475	-	Hex screw	7	UN			
9	230610065	-	Screw plug	1	UN			
10	230611945	-	Plug-in pipe	1	UN			
100	230610702	-	Grease	1	UN			9
115	230610710	-	Surface sealing	1	UN			



Flywheel housing pre-ass. 230610695

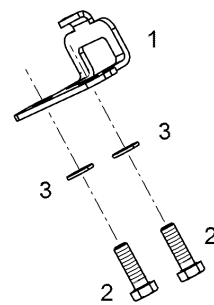
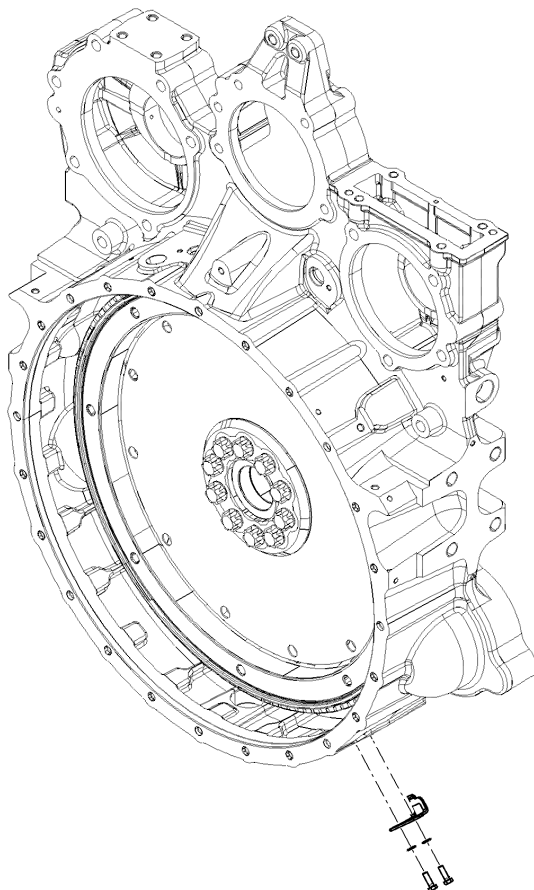
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610694	-	Flywheel housing	1	UN		
2	230610423	-	Sealing plug	2	UN		
3	230610411	-	Screw plug	2	UN		
120	230610703	-	Loctite	1	UN		



Control plate assembly

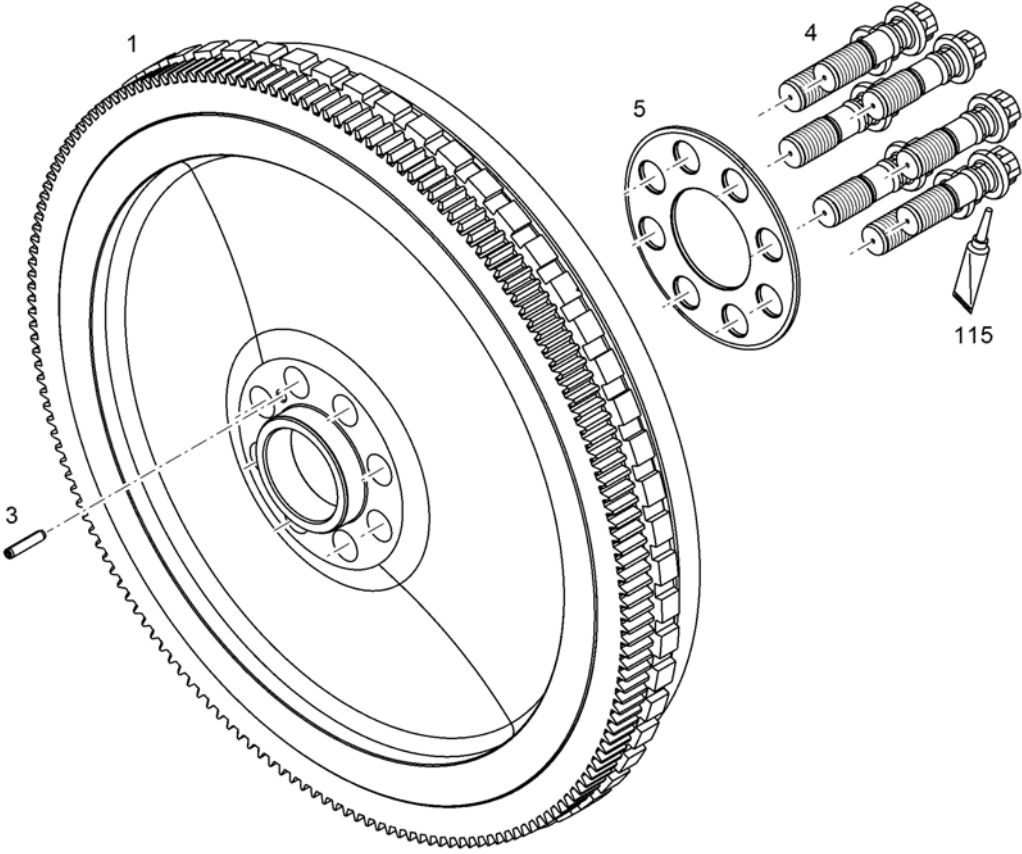
230610434

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		



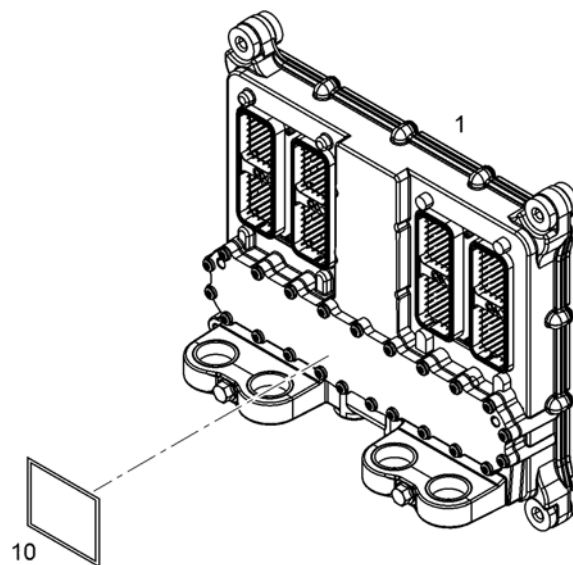
Flywheel assembly
230610364

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610684	-	Flywheel pre-ass.	1	UN			
3	230610462	-	Spiral dowel pin	1	UN			
4	230610349	-	Hexalobular head screw	8	UN			
5	230612773	-	Compression ring	1	UN			
115	230612786	-	Paste	1	UN			



Motor control device
230610875

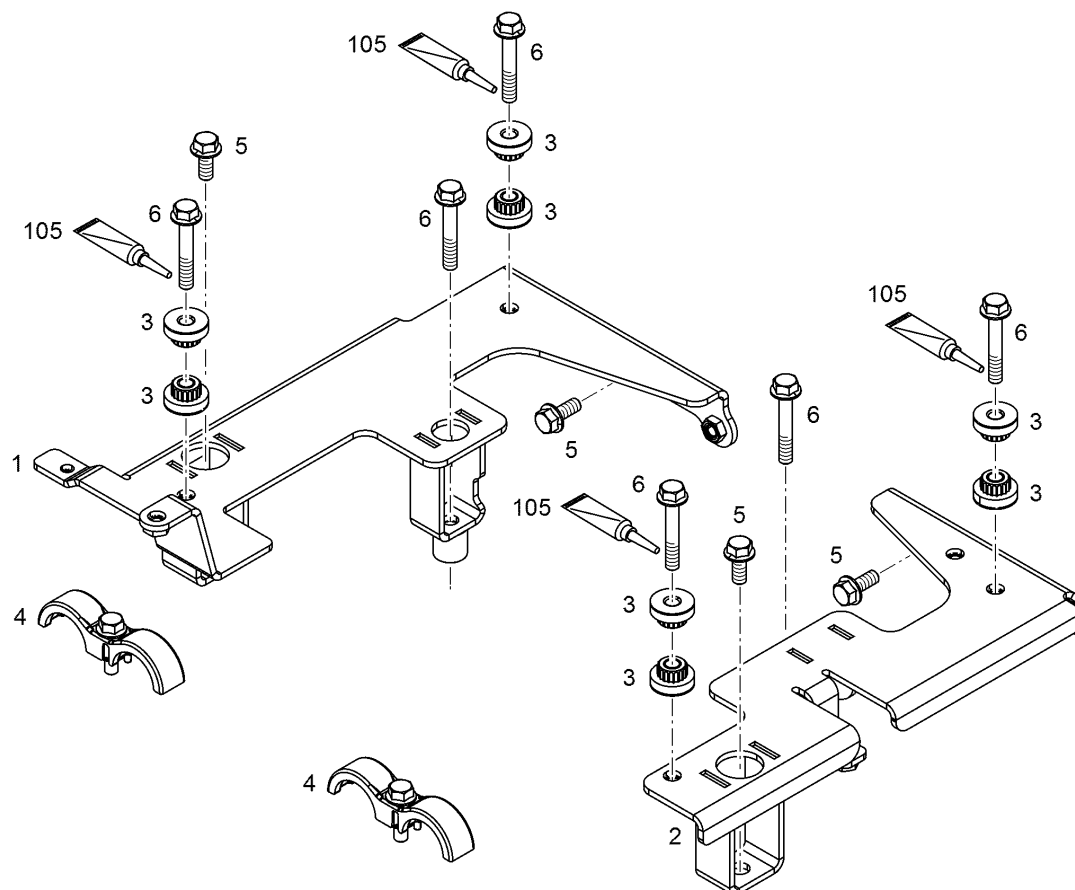
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610256	-	Motor control device	1	UN		
10	230610454	-	Company name plate	1	UN		



Control box annexe

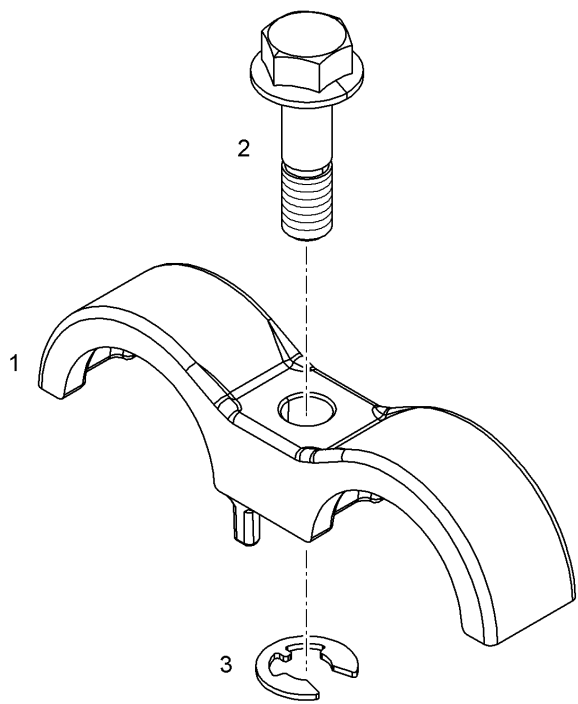
230610767

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610766	-	Holder	1	UN			
2	230610765	-	Holder	1	UN			
3	230610269	-	Rubber buffer	8	UN			
4	230610072	-	Fastening clamp	2	UN			103
5	230611470	-	Hex screw	2	UN			
6	230611490	-	Hex screw	6	UN			
105	230611017	-	Screw locking	1	UN			



Fastening clamp
230610072

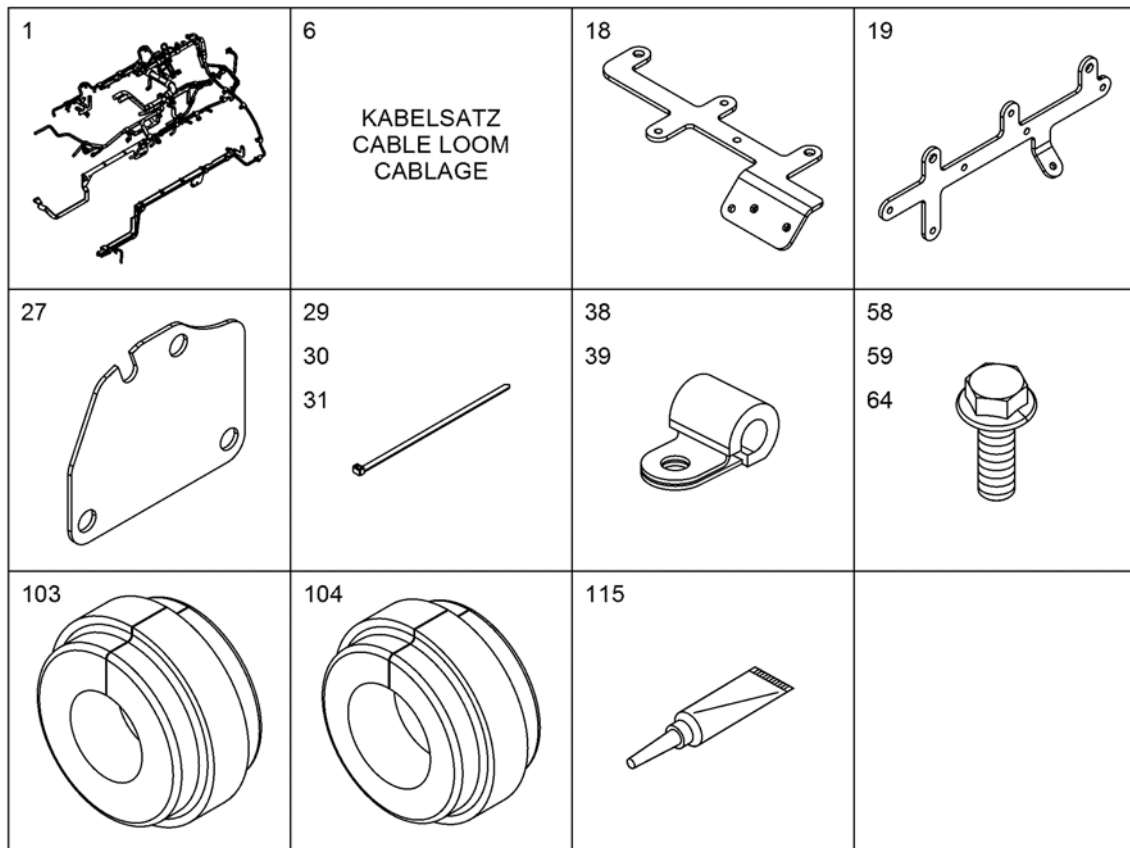
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610511	-	Fastening clamp	1	UN		
2	230610544	-	Screw	1	UN		
3	230610375	-	Washer	1	UN		



Cable harness mounting

230610175

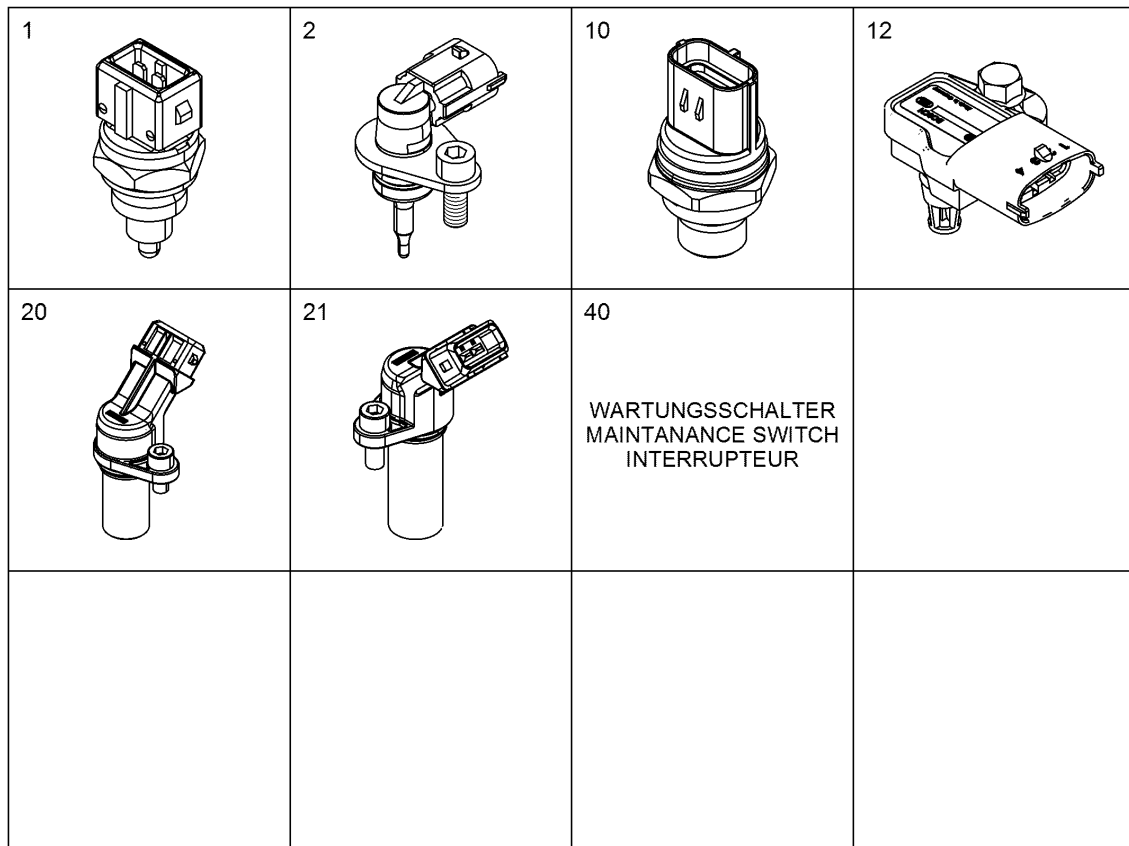
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611933	-	Cable harness	1	UN		
6	230611934	-	Cable loom	1	UN		
18	230610773	-	Holder	1	UN		
19	230610768	-	Holder	1	UN		
27	230610978	-	Cover	1	UN		
29	230611015	-	Cable tie	2	UN		
30	230610938	-	Cable tie	4	UN		
31	230610939	-	Cable tie	36	UN		
38	230610087	-	Clamp	1	UN		
39	230610424	-	Clamp	2	UN		
58	230612333	-	Hex screw	1	UN		
59	230611470	-	Hex screw	9	UN		
64	230612542	-	Hex screw	1	UN		
103	230610513	-	Rubber ring	1	UN		
104	230611091	-	Ring	1	UN		
115	230610710	-	Surface sealing	1	UN		



Engine control sensors

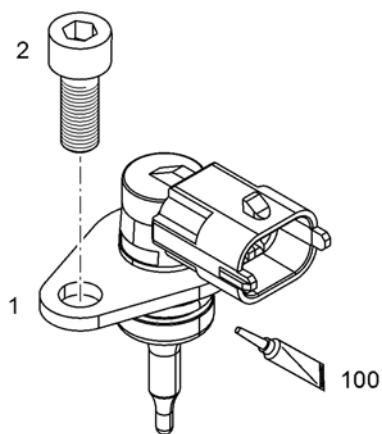
230610679

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		106
10	230610075	-	Pressure transmitter cpl.	2	UN		107
12	230610077	-	Temperature sensor cpl.	1	UN		108
20	230612792	-	Rotational speed sensor	1	UN		109
21	230612793	-	Rotational speed sensor	1	UN		110
40	230610184	-	Maintenance switch	2	UN		



Temperature probe cpl.
230610272

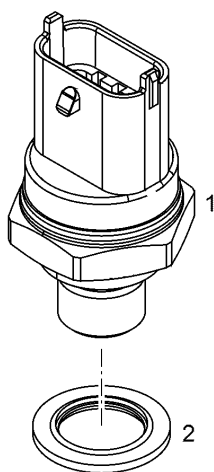
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610271	-	Temperature sensor	1	UN		
2	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		9



Pressure transmitter cpl.

230610075

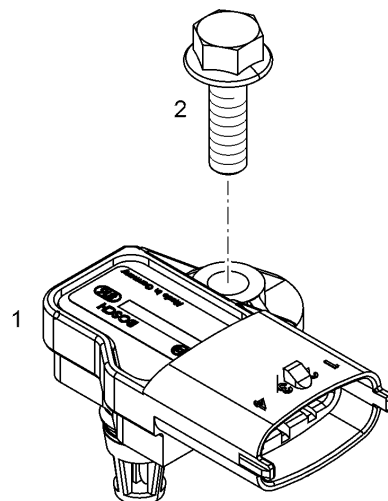
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611019	-	Pressure transmitter	1	UN		
2	230610056	-	Sealing ring	1	UN		



Temperature sensor cpl.

230610077

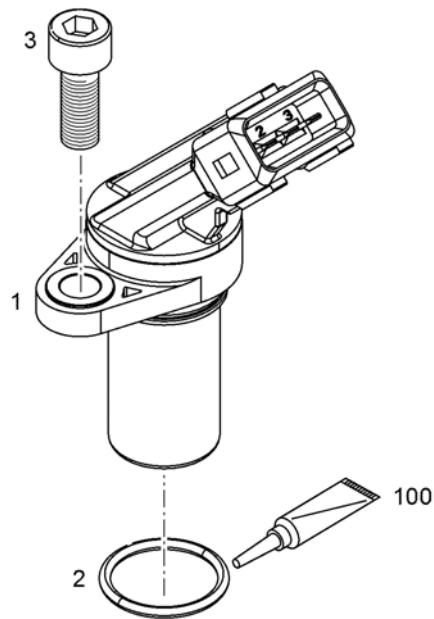
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610076	-	Temperature sensor	1	UN		
2	230610315	-	Hex screw	1	UN		
100	230610702	-	Grease	1	UN		9



Rotational speed sensor

230612792

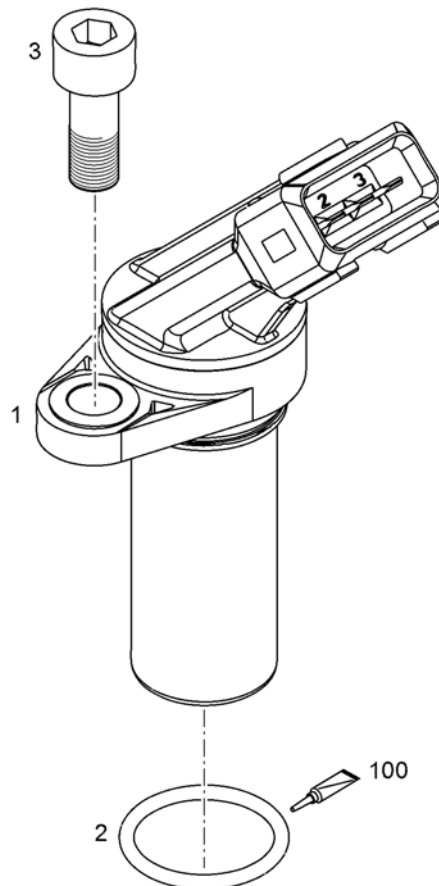
Po S.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612790	-	Rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612798	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		9



Rotational speed sensor

230612793

Po S.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230612791	-	Rotational speed sensor	1	UN			
2	230610198	-	O-ring	1	UN			
3	230612798	-	Socket head screw	1	UN			
100	230610702	-	Grease	1	UN			9



Engine electrics
230610822

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
90	230610823	-	Electrical circuit diagram	1	UN		

OHNE BILD
WITHOUT ILLUSTRATION
SANS PLANCHE

Ordering PN

Part number	Ver	Description	Ordering PN
230510001	-	Oil filter	
230510003	-	Fuel fine filter	
230610045	-	Air intake right	230610045
230610046	-	Air intake left	230610046
230610047	-	Generator add-on	230610047
230610048	-	Viscose damper	230610048
230610049	-	Lamellar disk kit	230610049
230610050	-	Locking ring	230610050
230610051	-	Sealing ring	230610051
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
230610061	-	Distributor block	230610061
230610062	-	Distributor block	230610062
230610063	-	Screw plug	230610063
230610064	-	Screw plug	230610064
230610065	-	Screw plug	230610065
230610066	-	Screw plug	230610066
230610067	-	Screw plug	230610067
230610068	-	Screw plug	230610068
230610069	-	Screw plug	230610069
230610070	-	Screw plug	230610070

Ordering PN

Part number	Ver	Description	Ordering PN
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
230610082	-	Cycle valve	230610082
230610083	-	Hose clamp	230610083
230610084	-	Clamp	230610084
230610085	-	Hose clamp	230610085
230610086	-	Clamp	230610086
230610087	-	Clamp	230610087
230610088	-	Clamp	230610088
230610089	-	Pipe clamp	230610089
230610090	-	Clamp	230610090
230610091	-	Clamp	230610091
230610092	-	Pipe clamp	230610092
230610093	-	Clamp	230610093
230610094	-	Clamp	230610094
230610095	-	Clamp	230610095
230610096	-	Clamp	230610096
230610098	-	Pipe clamp	230610098
230610099	-	Hose clamp	230610099
230610100	-	Retainer clip	230610100
230610101	-	Retainer clip	230610101
230610102	-	Retainer clip	230610102
230610103	-	Compensator	230610103
230610104	-	Charge air line pre-ass.	230610104

Ordering PN

Part number	Ver	Description	Ordering PN
230610105	-	Fuel line	230610105
230610106	-	Fuel line	230610106
230610107	-	Fuel line	230610107
230610109	-	Fuel line	230610109
230610110	-	Fuel line	230610110
230610112	-	Overflow-oil line	230610112
230610113	-	Overflow-oil line	230610113
230610114	-	Overflow-oil line	230610114
230610115	-	Overflow-oil line	230610115
230610116	-	Overflow-oil line	230610116
230610117	-	Overflow-oil line	230610117
230610118	-	Overflow-oil line	230610118
230610120	-	Overflow-oil line	230610120
230610121	-	Overflow-oil line	230610121
230610122	-	Injection line	230610122
230610123	-	Injection line	230610123
230610124	-	Injection line	230610124
230610125	-	Injection line	230610125
230610126	-	Ventilation line	230610126
230610127	-	Ventilation line	230610127
230610128	-	Ventilation line	230610128
230610129	-	Ventilation line	230610129
230610130	-	Ventilation line	230610130
230610131	-	Ventilation line	230610131
230610132	-	Ventilation line	230610132
230610133	-	High pressure pipe assembly	230610133
230610134	-	Lubricating oil line	230610134
230610135	-	Lubricating oil line	230610135

Ordering PN

Part number	Ver	Description	Ordering PN
230610136	-	Oil return pipe	230610136
230610137	-	Oil return pipe	230610137
230610138	-	Console	230610138
230610139	-	Coolant pipe bend	230610139
230610140	-	Coolant pipe bend	230610140
230610141	-	Coolant pipe bend	230610141
230610142	-	Connecting elbow	230610142
230610144	-	Exhaust manifold right	230610144
230610145	-	Exhaust manifold left	230610145
230610147	-	Outlet manifold add-on	230610147
230610151	-	Cover	230610151
230610152	-	End cover	230610152
230610153	-	Cylinder head assembly	230610153
230610154	-	Oil sump with fastening	230610154
230610155	-	Cylinder	230610155
230610156	-	Starter installation	230610156
230610157	-	Clamp-half	230610157
230610158	-	Fastening device	230610158
230610159	-	Fastening device	230610159
230610160	-	Rocker arms device cpl.	230610160
230610161	-	Hex nut	230610161
230610162	-	Hex nut	230610162
230610163	-	Nut	230610163
230610165	-	Fan drive	230610165
230610166	-	Drive for high pressure pump	230610166
230610167	-	Distance sleeve	230610167
230610168	-	Distance sleeve	230610168
230610169	-	Distance sleeve	230610169

Ordering PN

Part number	Ver	Description	Ordering PN
230610170	-	Distance sleeve	230610170
230610171	-	Distance sleeve	230610171
230610173	-	Distance sleeve	230610173
230610174	-	Spacer piece	230610174
230610175	-	Cable harness mounting	230610175
230610178	-	Fuel fine-filter assembly	230610178
230610180	-	Double-ended stud	230610180
230610181	-	Parallel pin	230610181
230610182	-	Jaw	230610182
230610183	-	Rk injector	230610183
230610184	-	Maintenance switch	230610184
230610186	-	Seal	230610186
230610187	-	Seal	230610187
230610188	-	Seal	230610188
230610189	-	Seal	230610189
230610190	-	Cylinder head gasket	230610190
230610191	-	Seal	230610191
230610192	-	Seal	230610192
230610193	-	Seal	230610193
230610195	-	Seal	230610195
230610196	-	Rotary shaft lip seal	230610196
230610198	-	O-ring	230610198
230610199	-	O-ring	230610199
230610200	-	O-ring	230610200
230610201	-	O-ring	230610201
230610202	-	O-ring	230610202
230610203	-	O-ring	230610203
230610204	-	O-ring	230610204

Ordering PN

Part number	Ver	Description	Ordering PN
230610205	-	O-ring	230610205
230610206	-	O-ring	230610206
230610207	-	O-ring	230610207
230610208	-	O-ring	230610208
230610209	-	O-ring	230610209
230610210	-	O-ring	230610210
230610211	-	O-ring	230610211
230610212	-	Rubber connection	230610212
230610213	-	Rubber connection	230610213
230610214	-	Rubber connection	230610214
230610215	-	Rubber connection	230610215
230610216	-	Rubber connection	230610216
230610217	-	Rubber connection	230610217
230610218	-	Rubber connection	230610218
230610219	-	Membrane	230610219
230610220	-	Oil module assembly	230610220
230610221	-	Locking pieces	230610221
230610222	-	Intermediate part	230610222
230610223	-	Intermediate part	230610223
230610224	-	Piston cpl.	230610224
230610225	-	Sheet	230610225
230610226	-	Sheet	230610226
230610227	-	Seal kit high press.connector	230610227
230610228	-	Seal kit injector	230610228
230610229	-	Seal kit high pressure pump	230610229
230610230	-	Water pump with fastening	230610230
230610231	-	Lube oil pump with fastening	230610231
230610232	-	High pressure pump w.fastening	230610232

Ordering PN

Part number	Ver	Description	Ordering PN
230610233	-	Belt pulley	230610233
230610234	-	Belt pulley	230610234
230610235	-	Belt pulley	230610235
230610236	-	Guide pulley compl.	230610236
230610237	-	Guide pulley compl.	230610237
230610238	-	Guide pulley compl.	230610238
230610239	-	Roller tappet	230610239
230610240	-	Flange joint	230610240
230610241	-	Flange joint	230610241
230610242	-	Flange joint	230610242
230610243	-	Flange joint	230610243
230610244	-	Flange joint	230610244
230610245	-	Flange joint	230610245
230610246	-	Flange joint	230610246
230610247	-	Flange joint	230610247
230610248	-	Flange joint	230610248
230610249	-	Flange joint	230610249
230610250	-	Fittings	230610250
230610251	-	High pressure connector	230610251
230610252	-	Double nipple	230610252
230610253	-	Hose nipple	230610253
230610254	-	Hose nipple	230610254
230610255	-	Hight pressure rail	230610255
230610256	-	Motor control device	230610256
230610257	-	Oil filler inlet	230610257
230610258	-	Crankcase breather pre-ass.	230610258
230610259	-	Pressure spring	230610259
230610260	-	Washer	230610260

Ordering PN

Part number	Ver	Description	Ordering PN
230610262	-	Washer	230610262
230610263	-	Washer	230610263
230610264	-	Washer	230610264
230610265	-	Curved spring	230610265
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
230610273	-	Valve	230610273
230610274	-	Shut-off valve	230610274
230610275	-	Final control valve	230610275
230610276	-	Drain valve	230610276
230610277	-	Support plate	230610277
230610278	-	Support plate	230610278
230610279	-	Holder	230610279
230610280	-	Holder	230610280
230610281	-	Holder	230610281
230610282	-	Holder	230610282
230610283	-	Holder	230610283
230610284	-	Holder	230610284
230610285	-	Holder	230610285
230610286	-	Thermostat	230610286
230610287	-	Tappet push rod	230610287
230610288	-	Plate	230610288
230610289	-	Intake stack	230610289

Ordering PN

Part number	Ver	Description	Ordering PN
230610290	-	Pipe socket right	230610290
230610291	-	Pipe socket left	230610291
230610294	-	Exhaust tc mounting	230610294
230610295	-	Exhaust tc mounting	230610295
230610296	-	Exhaust pipe	230610296
230610297	-	Exhaust pipe	230610297
230610298	-	Exhaust pipe	230610298
230610299	-	Exhaust pipe	230610299
230610300	-	Exhaust pipe	230610300
230610301	-	Exhaust pipe	230610301
230610302	-	Exhaust pipe	230610302
230610303	-	Exhaust pipe	230610303
230610304	-	Pipeline	230610304
230610305	-	Pipeline	230610305
230610306	-	Pipeline	230610306
230610307	-	Pipeline	230610307
230610309	-	Hex screw	230610309
230610312	-	Hex screw	230610312
230610313	-	Hex screw	230610313
230610314	-	Hex screw	230610314
230610315	-	Hex screw	230610315
230610316	-	Socket head screw	230610316
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

Ordering PN

Part number	Ver	Description	Ordering PN
230610324	-	Hex screw	230610324
230610325	-	Socket head screw	230610325
230610327	-	Hex screw	230610327
230610329	-	Hex screw	230610329
230610330	-	Hex screw	230610330
230610331	-	Hex screw	230610331
230610332	-	Hex screw	230610332
230610333	-	Hex screw	230610333
230610335	-	Hex screw	230610335
230610337	-	Hex screw	230610337
230610338	-	Hex screw	230610338
230610339	-	Hex screw	230610339
230610340	-	Hex screw	230610340
230610341	-	Hexalobular head screw	230610341
230610343	-	Hexalobular head screw	230610343
230610344	-	Hexalobular head screw	230610344
230610345	-	Double banjo bolt	230610345
230610346	-	Double banjo bolt	230610346
230610347	-	Double banjo bolt	230610347
230610348	-	Hexalobular head screw	230610348
230610349	-	Hexalobular head screw	230610349
230610350	-	Hexalobular head screw	230610350
230610351	-	Hollow screw	230610351
230610352	-	Hollow screw	230610352
230610353	-	Hollow screw	230610353
230610354	-	Hollow screw	230610354
230610355	-	Hollow screw	230610355
230610356	-	Hollow screw	230610356

Ordering PN

Part number	Ver	Description	Ordering PN
230610357	-	Hollow screw	230610357
230610358	-	Hollow screw	230610358
230610359	-	Hollow screw	230610359
230610360	-	Hollow screw	230610360
230610361	-	Hollow screw	230610361
230610362	-	Locking screw	230610362
230610363	-	Cylinder screw	230610363
230610364	-	Flywheel assembly	230610364
230610365	-	V-belt pulley pre-ass.	230610365
230610366	-	Pipe clamp	230610366
230610369	-	Spare element	230610369
230610373	-	Screw plug	230610373
230610375	-	Washer	230610375
230610377	-	Socket head screw	230610377
230610379	-	Locking ring	230610379
230610380	-	Locking ring	230610380
230610381	-	Locking ring	230610381
230610383	-	Hex screw	230610383
230610386	-	Hex screw	230610386
230610391	-	Parallel pin	230610391
230610393	-	Sealing ring	230610393
230610395	-	Washer	230610395
230610396	-	Double-ended stud	230610396
230610397	-	End cover	230610397
230610398	-	End cover	230610398
230610400	-	Socket head screw	230610400
230610401	-	Parallel pin	230610401
230610402	-	Hex nut	230610402

Ordering PN

Part number	Ver	Description	Ordering PN
230610403	-	Socket head screw	230610403
230610404	-	Parallel pin	230610404
230610409	-	Sealing ring	230610409
230610411	-	Screw plug	230610411
230610414	-	O-ring	230610414
230610415	-	Screw plug	230610415
230610416	-	O-ring	230610416
230610423	-	Sealing plug	230610423
230610424	-	Clamp	230610424
230610428	-	Nozzle	230610428
230610430	-	Sealant	230610430
230610431	-	Glue	230610431
230610433	-	Camshaft bearing	230610433
230610434	-	Control plate assembly	230610434
230610435	-	Spring support	230610435
230610436	-	Cover	230610436
230610438	-	Countersunk screw	230610438
230610440	-	Cover	230610440
230610441	-	O-ring	230610441
230610442	-	Fittings	230610442
230610444	-	Cover	230610444
230610445	-	Seal	230610445
230610449	-	Rubber connection	230610449
230610450	-	Spacer piece	230610450
230610454	-	Company name plate	230610454
230610455	-	Rubber connection	230610455
230610456	-	Copper paste	230610456
230610460	-	Hex screw	230610460

Ordering PN

Part number	Ver	Description	Ordering PN
230610462	-	Spiral dowel pin	230610462
230610463	-	Valve spring	230610463
230610465	-	Rotary shaft lip seal	230610465
230610466	-	Rotary shaft lip seal	230610466
230610467	-	Hex screw	230610467
230610469	-	Hex screw	230610469
230610471	-	Hex screw	230610471
230610472	-	Hex screw	230610472
230610473	-	Hex screw	230610473
230610474	-	Hex screw	230610474
230610475	-	Hex screw	230610475
230610477	-	Sealing plug	230610477
230610478	-	End cover	230610478
230610479	-	Spherical washer	230610479
230610481	-	Ball	230610481
230610482	-	Hex screw	230610482
230610483	-	O-ring	230610483
230610492	-	Control parts	230610492
230610497	-	Pipeline	230610497
230610498	-	Pipeline installation	230610498
230610499	-	Fittings	230610499
230610502	-	Locking pieces	230610502
230610504	-	Valve stem seal ring	230610504
230610510	-	Tight fit sleeve	230610510
230610511	-	Fastening clamp	230610511
230610513	-	Rubber ring	230610513
230610517	-	Ajdusting plate	230610517
230610519	-	Lifting hook	230610519

Ordering PN

Part number	Ver	Description	Ordering PN
230610522	-	O-ring	230610522
230610523	-	O-ring	230610523
230610525	-	Special tool	230610525
230610526	-	O-ring	230610526
230610530	-	Holder	230610530
230610538	-	Holder	230610538
230610544	-	Screw	230610544
230610545	-	Sheet gasket	230610545
230610546	-	Guiding pipe	230610546
230610550	-	Coolant pipe bend add-on	230610550
230610552	-	Outlet valve	230610552
230610553	-	Washer	230610553
230610554	-	Exhaust valve seat insert	230610554
230610555	-	Cover	230610555
230610557	-	Connecting rod pre-assy.	230610557
230610558	-	Connecting rod bearing	230610558
230610559	-	Connecting rod bearing	230610559
230610560	-	Main bearing	230610560
230610561	-	Main bearing	230610561
230610562	-	Thrust washer	230610562
230610563	-	Thrust washer	230610563
230610564	-	Main bearing	230610564
230610565	-	Main bearing	230610565
230610566	-	Crankshaft sealing	230610566
230610567	-	Bearing flange	230610567
230610568	-	Shaft	230610568
230610569	-	Flange	230610569
230610570	-	Piston cooling	230610570

Ordering PN

Part number	Ver	Description	Ordering PN
230610571	-	Lifting device	230610571
230610572	-	Crankshaft bearings	230610572
230610573	-	Hexalobular head screw	230610573
230610574	-	Locking pieces	230610574
230610575	-	Drive shaft	230610575
230610576	-	Rk pre-feed pump	230610576
230610577	-	Shaft	230610577
230610578	-	Flange	230610578
230610579	-	Seal	230610579
230610580	-	Cover	230610580
230610588	-	Piston bolt	230610588
230610592	-	High pressure pump	230610592
230610593	-	Valve stem guide	230610593
230610595	-	Cover	230610595
230610602	-	Plate	230610602
230610633	-	Pressure spring	230610633
230610634	-	Piston	230610634
230610637	-	Tube	230610637
230610644	-	Camshaft	230610644
230610646	-	Holder	230610646
230610647	-	Sleeve	230610647
230610648	-	Oil cooler	230610648
230610653	-	Crankcase cpl.	230610653
230610654	-	Hex nut	230610654
230610655	-	Adjusting screw	230610655
230610656	-	Washer	230610656
230610657	-	Pressure limiting valve	230610657
230610658	-	Gear wheel	230610658

Ordering PN

Part number	Ver	Description	Ordering PN
230610659	-	Belt drive	230610659
230610660	-	Rocker arm bracket pre-ass.	230610660
230610661	-	Thermostat housing	230610661
230610662	-	Thermostat housing pre-ass.	230610662
230610668	-	Perforated plate	230610668
230610670	-	V-ripped belt	230610670
230610671	-	Injector assy	230610671
230610673	-	Injector with fastening	230610673
230610674	-	Deep groove ball bearing	230610674
230610675	-	Deep groove ball bearing	230610675
230610676	-	Cover	230610676
230610679	-	Engine control sensors	230610679
230610681	-	Exhaust pipe assembly	230610681
230610683	-	Filler neck	230610683
230610684	-	Flywheel pre-ass.	230610684
230610685	-	Connection f.water pipe	230610685
230610687	-	Gear wheel	230610687
230610688	-	Gearwheel pre-ass.	230610688
230610689	-	Gear wheel	230610689
230610690	-	Gear wheel	230610690
230610691	-	Gearwheel pre-ass.	230610691
230610694	-	Flywheel housing	230610694
230610695	-	Flywheel housing pre-ass.	230610695
230610697	-	Valve bridge	230610697
230610701	-	O-ring	230610701
230610702	-	Grease	230610702
230610703	-	Loctite	230610703
230610707	-	Hex screw	230610707

Ordering PN

Part number	Ver	Description	Ordering PN
230610708	-	Socket head screw	230610708
230610709	-	O-ring	230610709
230610710	-	Surface sealing	230610710
230610711	-	Plug-in pipe	230610711
230610712	-	Spring washer	230610712
230610713	-	Spring washer	230610713
230610714	-	Hex nut	230610714
230610715	-	Hex nut	230610715
230610719	-	Socket head screw	230610719
230610720	-	Screw plug	230610720
230610727	-	Fuel hose	230610727
230610729	-	O-ring	230610729
230610740	-	Connecting pipe pre-ass.	230610740
230610742	-	Bedplate engine	230610742
230610751	-	Steep-angle bearing	230610751
230610752	-	Connecting line add-on	230610752
230610755	-	Intake stack assembly	230610755
230610758	-	Screw plug	230610758
230610759	-	Rocker arm support	230610759
230610760	-	Nozzle pre-ass.	230610760
230610761	-	Rocker arm	230610761
230610762	-	Rocker arm	230610762
230610763	-	Rocker axle pre-ass.	230610763
230610765	-	Holder	230610765
230610766	-	Holder	230610766
230610767	-	Control box annexe	230610767
230610768	-	Holder	230610768
230610773	-	Holder	230610773

Ordering PN

Part number	Ver	Description	Ordering PN
230610774	-	Regulation boost pressure	230610774
230610777	-	Valve collet	230610777
230610783	-	Timing disk	230610783
230610817	-	Fastening pieces assembly	230610817
230610818	-	Fixing parts	230610818
230610819	-	Fixing parts	230610819
230610820	-	Seal	230610820
230610821	-	Housing pre-assembled	230610821
230610822	-	Engine electrics	230610822
230610823	-	Electrical circuit diagram	230610823
230610827	-	Exhaust gas turbocharger	230610827
230610828	-	Exhaust gas turbocharger	230610828
230610834	-	Fixing parts	230610834
230610835	-	Drive shaft	230610835
230610838	-	Outlet manifold	230610838
230610842	-	Spacer piece	230610842
230610843	-	Fuel filter module	230610843
230610845	-	Fuel filter head	230610845
230610847	-	Piston	230610847
230610848	-	Inlet valve	230610848
230610849	-	Camshaft pre-ass.	230610849
230610850	-	Camshaft cpl.	230610850
230610853	-	Leak oil line add-on	230610853
230610854	-	Fuel lines	230610854
230610858	-	Crankcase breather assembly	230610858
230610859	-	Starter pre-assy.	230610859
230610875	-	Motor control device	230610875
230610877	-	Cylinder liner	230610877

Ordering PN

Part number	Ver	Description	Ordering PN
230610878	-	Fastening device	230610878
230610884	-	Aggregate support pre-ass.	230610884
230610885	-	Power unit support attachment	230610885
230610886	-	Oil module	230610886
230610887	-	Oil cooler housing	230610887
230610889	-	Flywheel housing mounting	230610889
230610890	-	Inlet valve seat insert	230610890
230610891	-	Charge air line assembly	230610891
230610892	-	Driving parts	230610892
230610893	-	Vent tube assembly	230610893
230610894	-	Water pump, pre-assembled	230610894
230610895	-	Cylinder head	230610895
230610900	-	Fan drive assembly	230610900
230610907	-	Air intake assembly	230610907
230610909	-	Outlet manifold add-on	230610909
230610912	-	Crankcase breather	230610912
230610913	-	Cover	230610913
230610917	-	Generator, pre-assembled	230610917
230610918	-	Cylinder head	230610918
230610919	-	Cylinder head pre-assy.	230610919
230610925	-	Thermostat housing assembly	230610925
230610934	-	Hex screw	230610934
230610936	-	Countersunk screw	230610936
230610938	-	Cable tie	230610938
230610939	-	Cable tie	230610939
230610947	-	Parallel pin	230610947
230610978	-	Cover	230610978
230611005	-	Cylinder head cover	230611005

Ordering PN

Part number	Ver	Description	Ordering PN
230611006	-	Cylinder head cover assembly	230611006
230611010	-	Hex screw	230611010
230611011	-	Ring bolt	230611011
230611012	-	Washer	230611012
230611013	-	Locking ring	230611013
230611014	-	Fitting key	230611014
230611015	-	Cable tie	230611015
230611016	-	Sealing compound	230611016
230611017	-	Screw locking	230611017
230611018	-	Glue	230611018
230611021	-	Reworking kit CCV valve	230611021
230611091	-	Ring	230611091
230611370	-	Hex screw	230611370
230611456	-	O-ring	230611456
230611470	-	Hex screw	230611470
230611482	-	Hex screw	230611482
230611490	-	Hex screw	230611490
230611643	-	Lipseal	230611643
230611882	-	Lubricant paste	230611882
230611924	-	Belt	230611924
230611936	-	Dipstick	230611936
230611945	-	Plug-in pipe	
230611946	-	Screw	230611946
230611947	-	Belt	230611947
230611949	-	Washer	230611949
230611951	-	Nut	230611951
230611959	-	Crankcase	
230611960	-	Dipstick	230611960

Ordering PN

Part number	Ver	Description	Ordering PN
230611961	-	Screw	230611961
230612233	-	Blanking plug	230612233
230612234	-	Blanking plug	230612234
230612255	-	Cover lid	230612255
230612256	-	Cover lid	230612256
230612257	-	Cover lid	230612257
230612258	-	Cover lid	230612258
230612259	-	Cover lid	230612259
230612260	-	Covering caps - kit	230612260
230612269	-	Cylinder head cover	230612269
230612310	-	Grease	230612310
230612322	-	Hex screw	230612322
230612325	-	Hex screw	230612325
230612326	-	Hex screw	230612326
230612330	-	Hex screw	230612330
230612331	-	Hex screw	230612331
230612333	-	Hex screw	230612333
230612360	-	Hollow screw	230612360
230612387	-	Mounting requirement	230612387
230612402	-	O-ring	230612402
230612403	-	O-ring	230612403
230612437	-	Seal kit prefeeding pump	230612437
230612438	-	Sealing plug	230612438
230612440	-	Socket head screw	230612440
230612443	-	Socket head screw	230612443
230612448	-	Universal protection	230612448
230612542	-	Hex screw	230612542
230612687	-	Overflow oil line	230612687

Ordering PN

Part number	Ver	Description	Ordering PN
230612688	-	Repair kit volum control valve	230612688
230612773	-	Compression ring	230612773
230612774	-	Coupling	230612774
230612775	-	Double ended stud	230612775
230612776	-	Fuel line	230612776
230612777	-	Fuel line	230612777
230612778	-	Hex nut	230612778
230612779	-	Hex screw	230612779
230612780	-	Hose clamp	230612780
230612783	-	Oil line	230612783
230612784	-	Oil separator	230612784
230612785	-	O-ring	230612785
230612786	-	Paste	230612786
230612787	-	Pipeline	230612787
230612788	-	Pipeline	230612788
230612789	-	Prefeeding pump	230612789
230612790	-	Rotational speed sensor	230612790
230612791	-	Rotational speed sensor	230612791
230612792	-	Rotational speed sensor	230612792
230612793	-	Rotational speed sensor	230612793
230612794	-	Rubber connection	230612794
230612795	-	Rubber connection	230612795
230612796	-	Socket head screw	230612796
230612797	-	Socket head screw	230612797
230612798	-	Socket head screw	230612798
230612800	-	Stop plug	230612800

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Engine KO KD27V12 60Hz

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10	230610653	-	Crankcase cpl.	1	UN		5
12	230610885	-	Power unit support attachment	1	UN		7
14	230610275	-	Final control valve	1	UN		10
15	230610570	-	Piston cooling	12	UN		11
16	230610858	-	Crankcase breather assembly	1	UN		12
17	230610502	-	Locking pieces	1	UN		19
20	230610154	-	Oil sump with fastening	1	UN		21
21	230611936	-	Dipstick	1	UN		23
23	230610257	-	Oil filler inlet	1	UN		24
40	230610155	-	Cylinder	12	UN		26
50	230611937	-	Crankshaft	1	UN		
51	230610572	-	Crankshaft bearings	1	UN		27
52	230610566	-	Crankshaft sealing	1	UN		28
53	230610892	-	Driving parts	1	UN		29
60	230610060	-	Connecting rod assembly	12	UN		30
70	230610224	-	Piston cpl.	12	UN		31

Engine KO KD27V12 60Hz

10101033301

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
80	230610153	-	Cylinder head assembly	12	UN		32
81	230610160	-	Rocker arms device cpl.	12	UN		35
82	230610073	-	Cylinder head cover assembly	12	UN		37
100	230610850	-	Camshaft cpl.	1	UN		38
110	230610492	-	Control parts	12	UN		40
130	230611938	-	Oil module assembly	1	UN		41
140	230610231	-	Lube oil pump with fastening	1	UN		43
171	230610232	-	High pressure pump w.fastening	2	UN		44
180	230610166	-	Drive for high pressure pump	1	UN		51
190	230612373	-	Injector with fastening	12	UN		52
191	230610251	-	High pressure connector	12	UN		54
201	230611939	-	Fuel fine-filter assembly	1	UN		57
212	230610854	-	Fuel lines	1	UN		59
213	230610133	-	High pressure pipe assembly	1	UN		62
214	230610853	-	Leak oil line add-on	1	UN		63
220	230610907	-	Air intake assembly	1	UN		66

Engine KO KD27V12 60Hz

10101033301

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
221	230612781	-	Intake stack assembly	1	UN		67
231	230610752	-	Connecting line add-on	1	UN		69
232	230610891	-	Charge air line assembly	1	UN		70
260	230610595	-	Cover	1	UN		71
370	230610230	-	Water pump with fastening	1	UN		72
380	230610925	-	Thermostat housing assembly	1	UN		73
381	230610893	-	Vent tube assembly	1	UN		75
382	230610550	-	Coolant pipe bend add-on	1	UN		77
385	230610685	-	Connection f.water pipe	2	UN		78
390	230610900	-	Fan drive assembly	1	UN		79
410	230610681	-	Exhaust pipe assembly	1	UN		81
412	230610909	-	Outlet manifold add-on	1	UN		82
430	230610294	-	Exhaust tc mounting	1	UN		83
431	230610295	-	Exhaust tc mounting	1	UN		85
434	230610147	-	Outlet manifold add-on	1	UN		87
436	230610774	-	Regulation boost pressure	1	UN		88

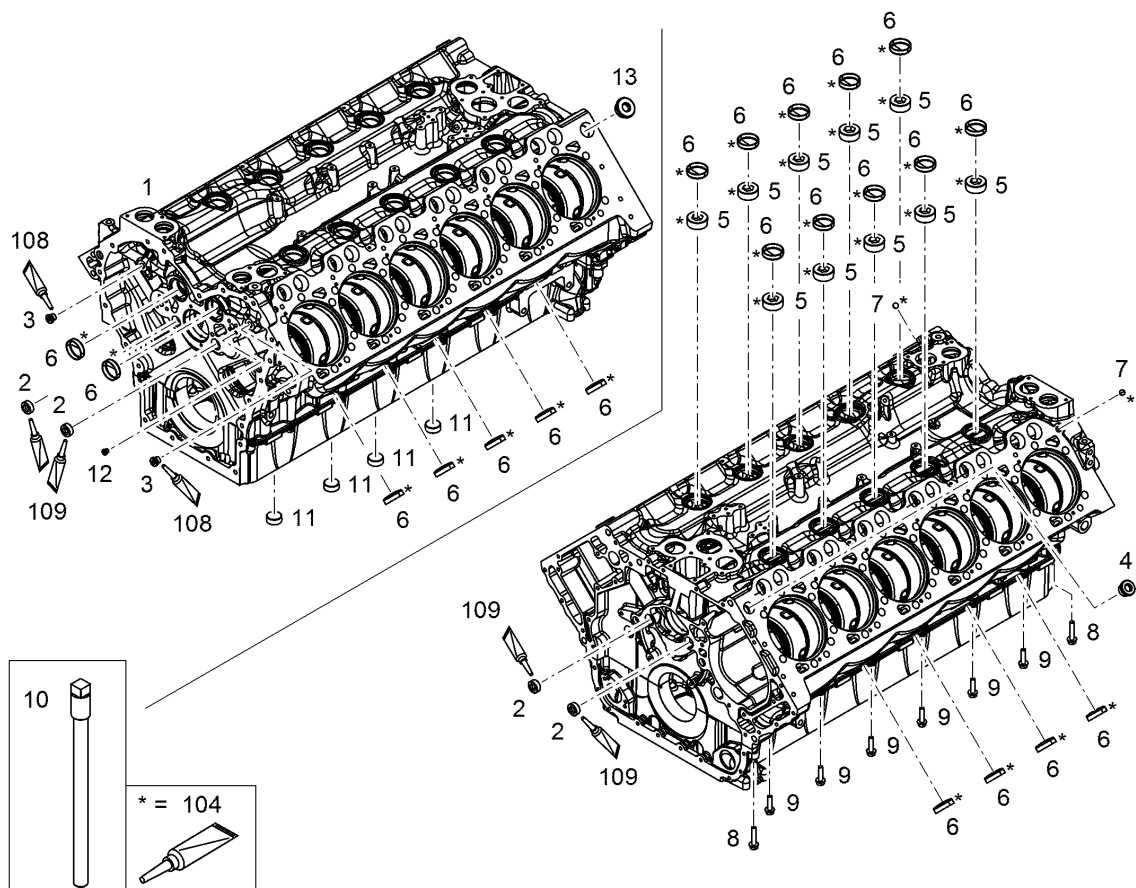
Engine KO KD27V12 60Hz

10101033301

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
441	230610047	-	Generator add-on	1	UN		90
443	230610659	-	Belt drive	1	UN		91
450	230610156	-	Starter installation	1	UN		92
452	230610221	-	Locking pieces	1	UN		94
460	230610817	-	Fastening pieces assembly	1	UN		95
480	230610571	-	Lifting device	1	UN		96
520	230610889	-	Flywheel housing mounting	1	UN		97
521	230610434	-	Control plate assembly	2	UN		99
530	230610364	-	Flywheel assembly	1	UN		100
570	230612851	-	Motor control device	1	UN		101
571	230610767	-	Control box annexe	1	UN		102
580	230610175	-	Cable harness mounting	1	UN		104
581	230610679	-	Engine control sensors	1	UN		105
992	230610822	-	Engine electrics	1	UN		111

Crankcase cpl. 230610653

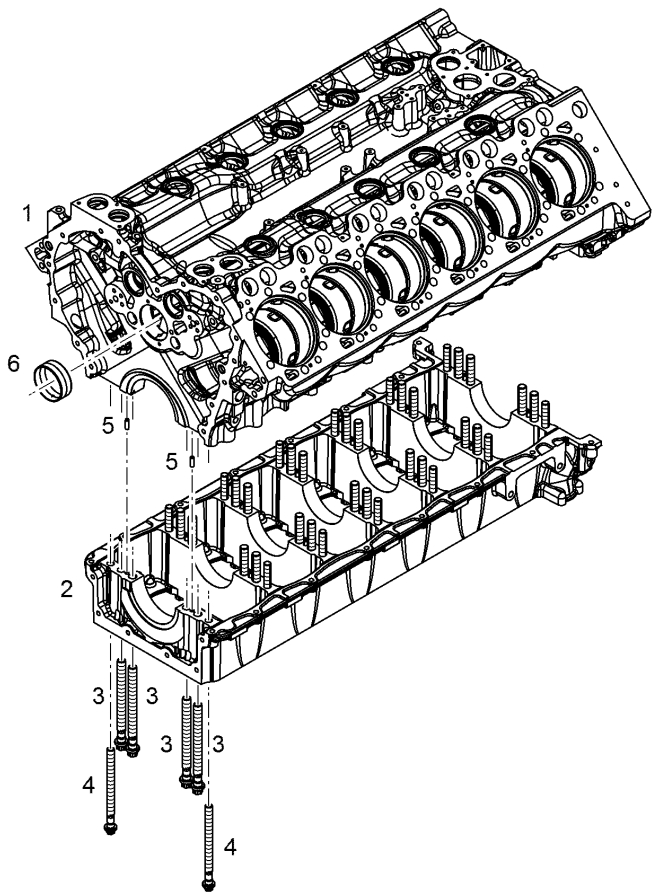
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611931	-	Crankcase	1	UN		6
2	230610758	-	Screw plug	4	UN		
3	230610065	-	Screw plug	2	UN		
4	230610071	-	Screw plug	1	UN		
5	230610720	-	Screw plug	10	UN		
6	230610478	-	End cover	21	UN		
7	230610481	-	Ball	2	UN		
8	230610472	-	Hex screw	4	UN		
9	230610471	-	Hex screw	12	UN		
10	230610525	-	Special tool	1	UN		
11	230610373	-	Screw plug	4	UN		
12	230610063	-	Screw plug	1	UN		
13	230610070	-	Screw plug	1	UN		
104	230610431	-	Glue	1	UN		
108	230610430	-	Sealant	1	UN		
109	230611017	-	Screw locking	1	UN		



Crankcase

230611931

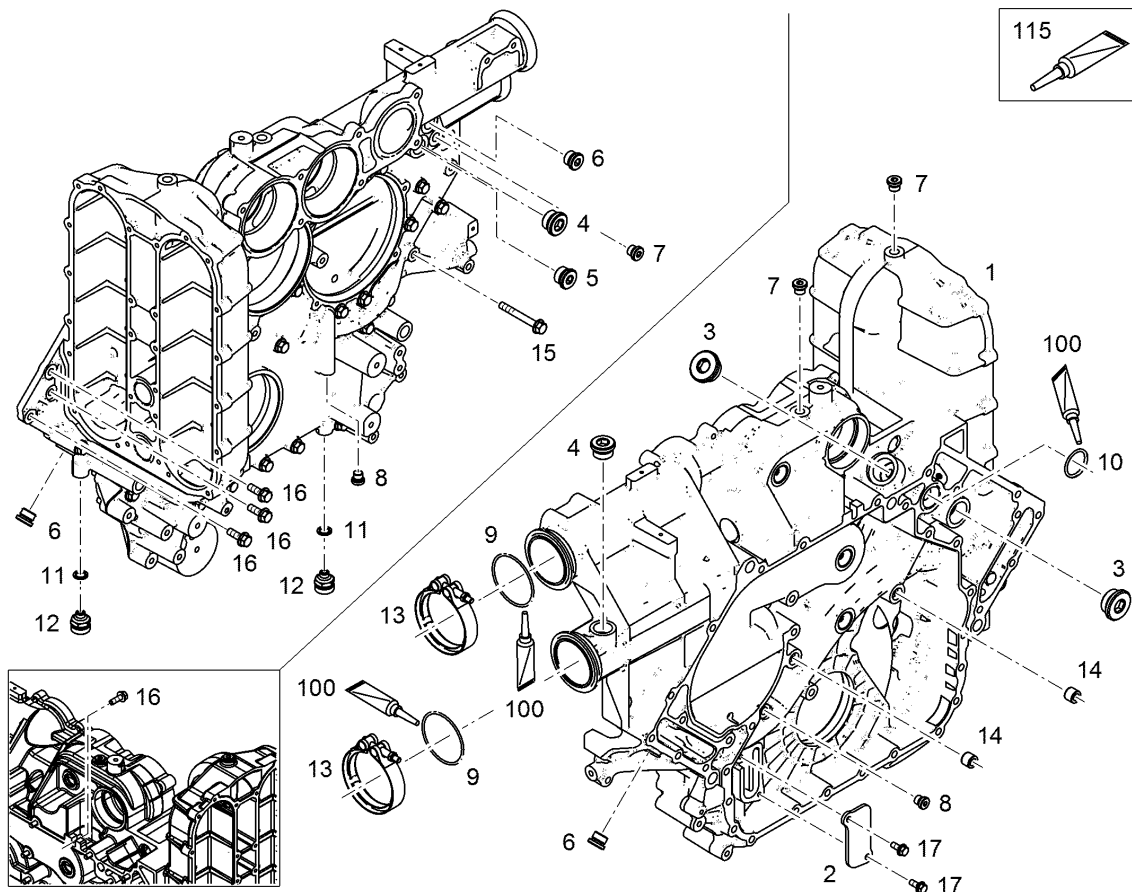
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611959	-	Crankcase	1	UN			
2	230610742	-	Bedplate engine	1	UN			
3	230610343	-	Hexalobular head screw	28	UN			
4	230610573	-	Hexalobular head screw	14	UN			
5	230610404	-	Parallel pin	14	UN			
6	230610433	-	Camshaft bearing	7	UN			



Power unit support attachment

230610885

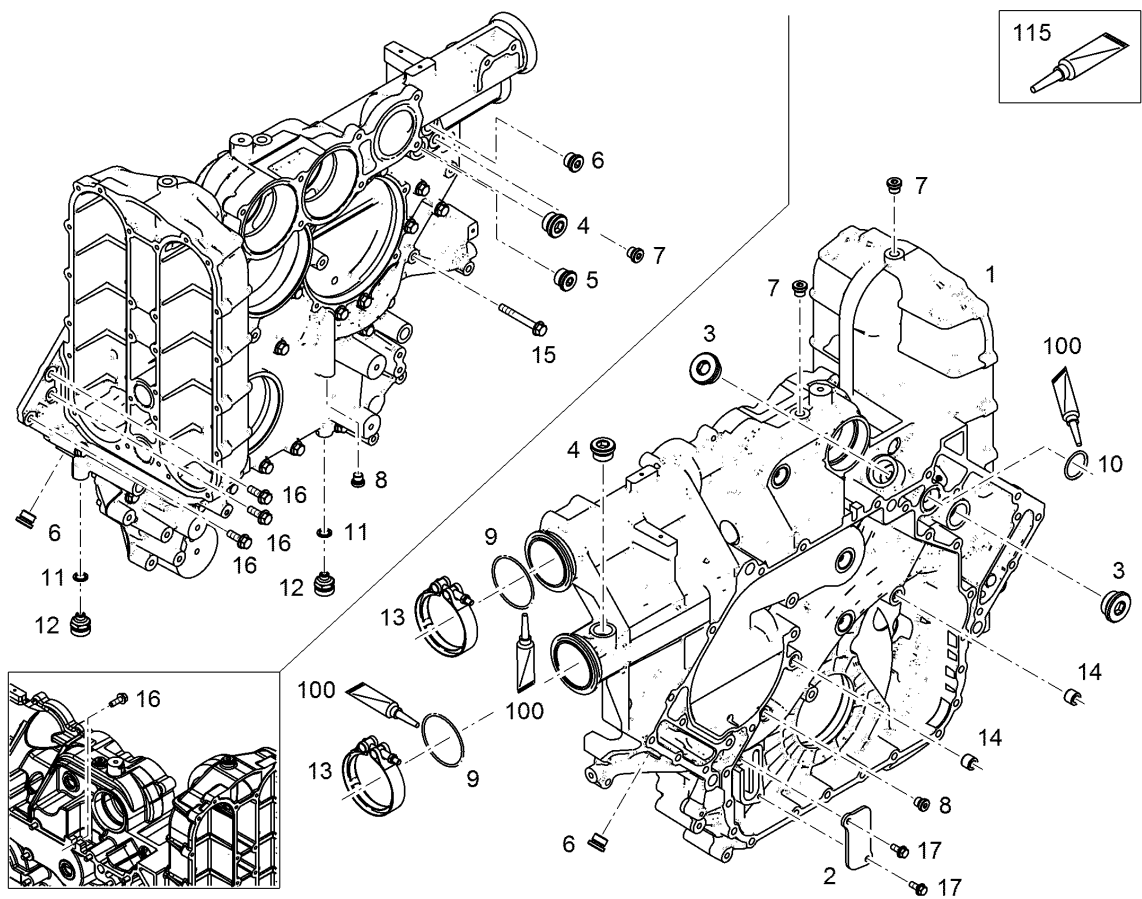
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610884	-	Aggregate support pre-ass.	1	UN			
2	230610676	-	Cover	1	UN			
3	230610070	-	Screw plug	2	UN			
4	230610071	-	Screw plug	2	UN			
5	230610066	-	Screw plug	1	UN			
6	230610411	-	Screw plug	3	UN			
7	230610065	-	Screw plug	3	UN			
8	230610064	-	Screw plug	2	UN			
9	230610207	-	O-ring	2	UN			
10	230610203	-	O-ring	1	UN			
11	230610056	-	Sealing ring	2	UN			
12	230610273	-	Valve	2	UN			
13	230610100	-	Retainer clip	2	UN			
14	230610510	-	Tight fit sleeve	2	UN			
15	230612322	-	Hex screw	36	UN			
16	230610323	-	Hex screw	4	UN			



Power unit support attachment

230610885

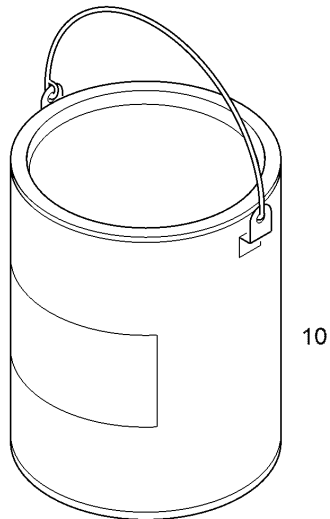
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610318	-	Hex screw	2	UN			
100	230610702	-	Grease	1	UN			9
115	230610710	-	Surface sealing	1	UN			



Grease

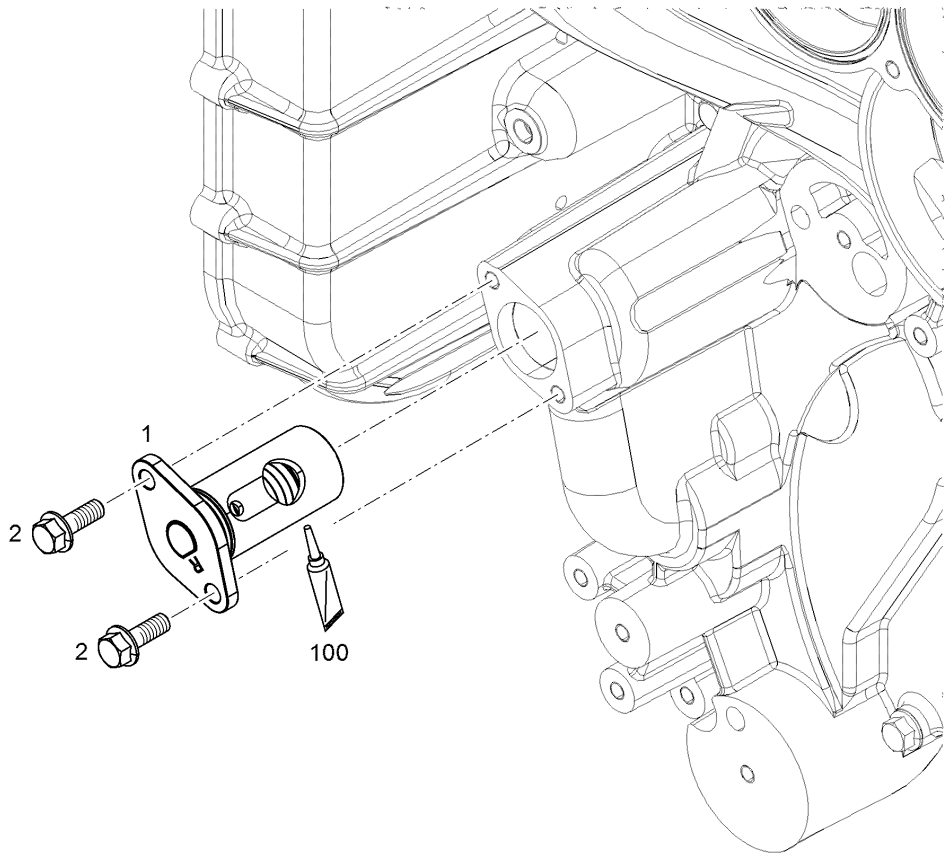
230610702

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
10	230612310	-	Grease	1	UN		



Final control valve
230610275

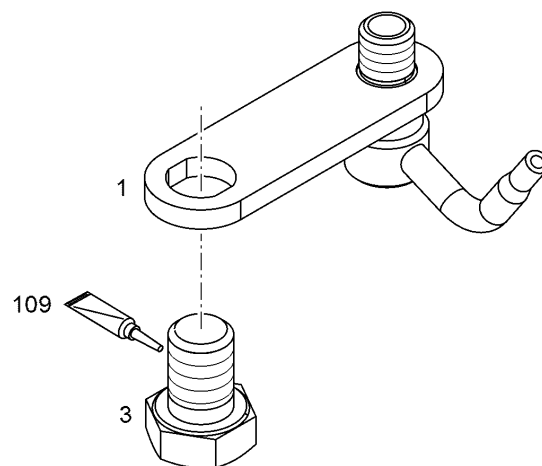
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610657	-	Pressure limiting valve	1	UN			
2	230610323	-	Hex screw	2	UN			
100	230610702	-	Grease	1	UN			9



Piston cooling

230610570

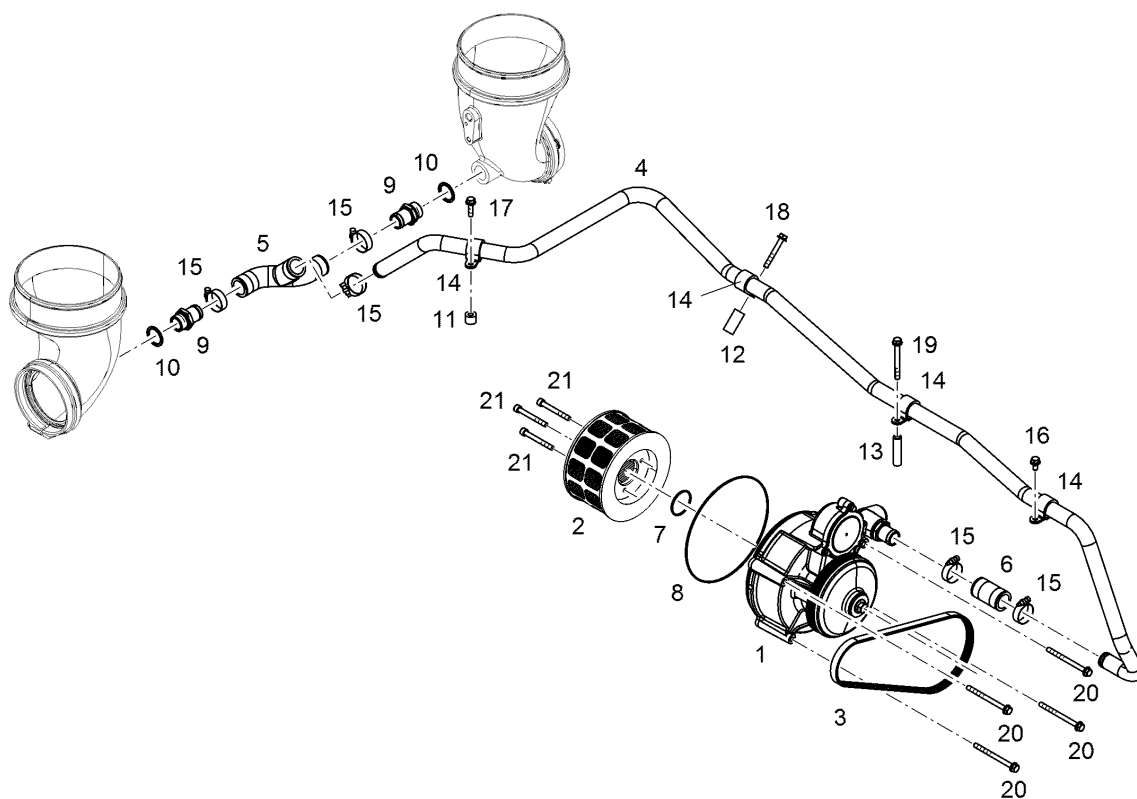
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610760	-	Nozzle pre-ass.	1	UN		
3	230610482	-	Hex screw	1	UN		
109	230611017	-	Screw locking	1	UN		



Crankcase breather assembly

230610858

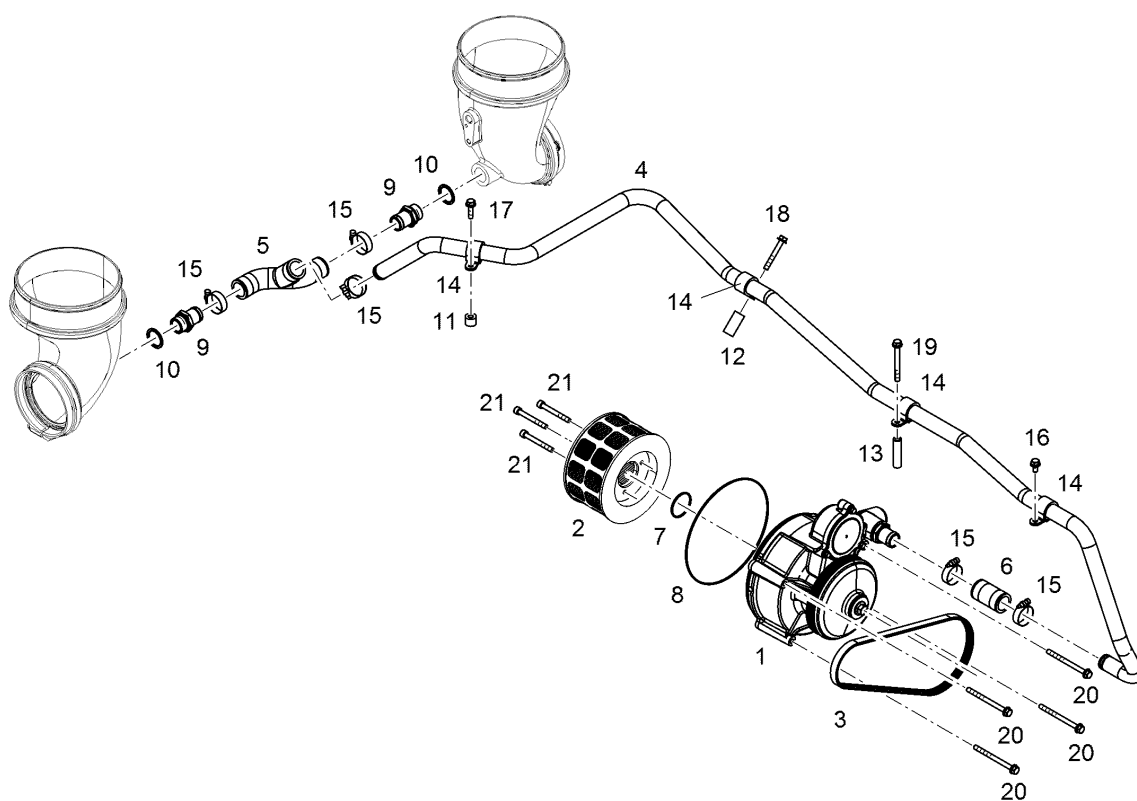
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610258	-	Crankcase breather pre-ass.	1	UN			14
2	230610369	-	Spare element	1	UN			
3	230612002	-	Belt	1	UN			
4	230611649	-	Pipeline	1	UN			
						04.11.2017 ->	->	
4	230611021	-	Reworking kit CCV valve	1	UN		04.10.2017	16
5	230610218	-	Rubber connection	1	UN			
6	230610213	-	Rubber connection	1	UN			
7	230610201	-	O-ring	1	UN			
8	230610210	-	O-ring	1	UN			
9	230610254	-	Hose nipple	2	UN			
10	230610054	-	Sealing ring	2	UN			
11	230610450	-	Spacer piece	1	UN			
12	230610171	-	Distance sleeve	1	UN			
13	230610168	-	Distance sleeve	1	UN			
14	230610094	-	Clamp	4	UN			



Crankcase breather assembly

230610858

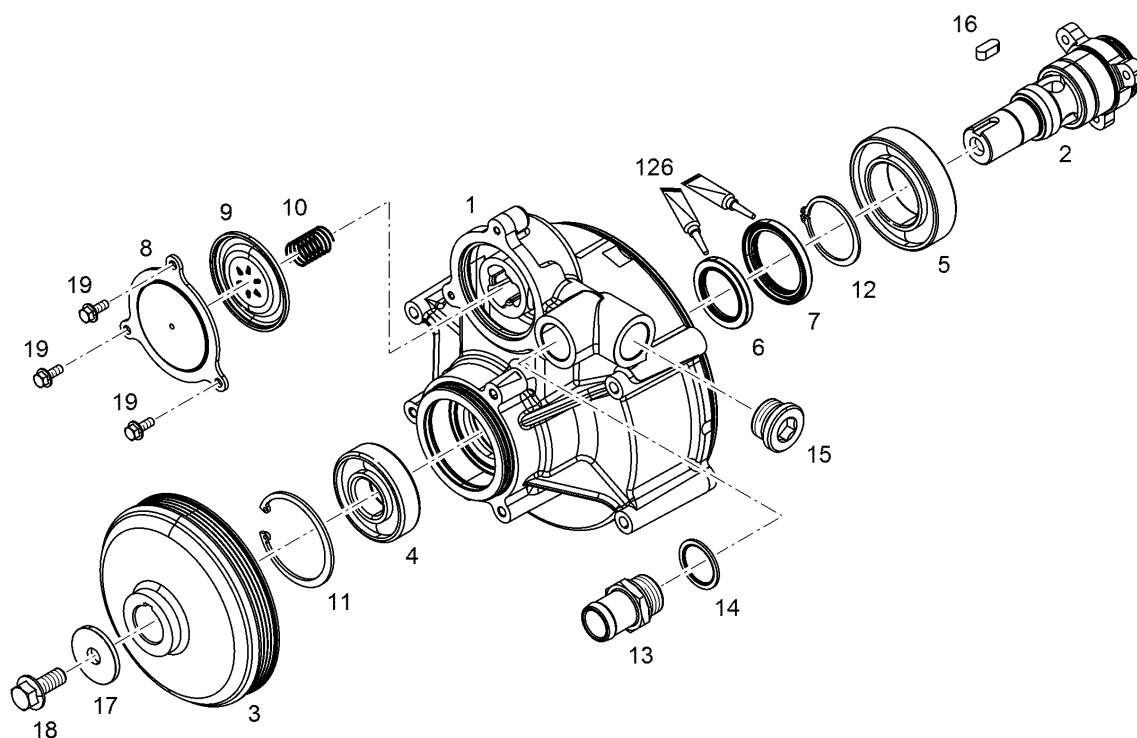
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
15	230610085	-	Hose clamp	5	UN			
16	230612333	-	Hex screw	1	UN			
17	230610322	-	Hex screw	1	UN			
18	230610329	-	Hex screw	1	UN			
19	230610333	-	Hex screw	1	UN			
20	230610335	-	Hex screw	4	UN			
21	230610325	-	Socket head screw	3	UN			



Crankcase breather pre-ass.

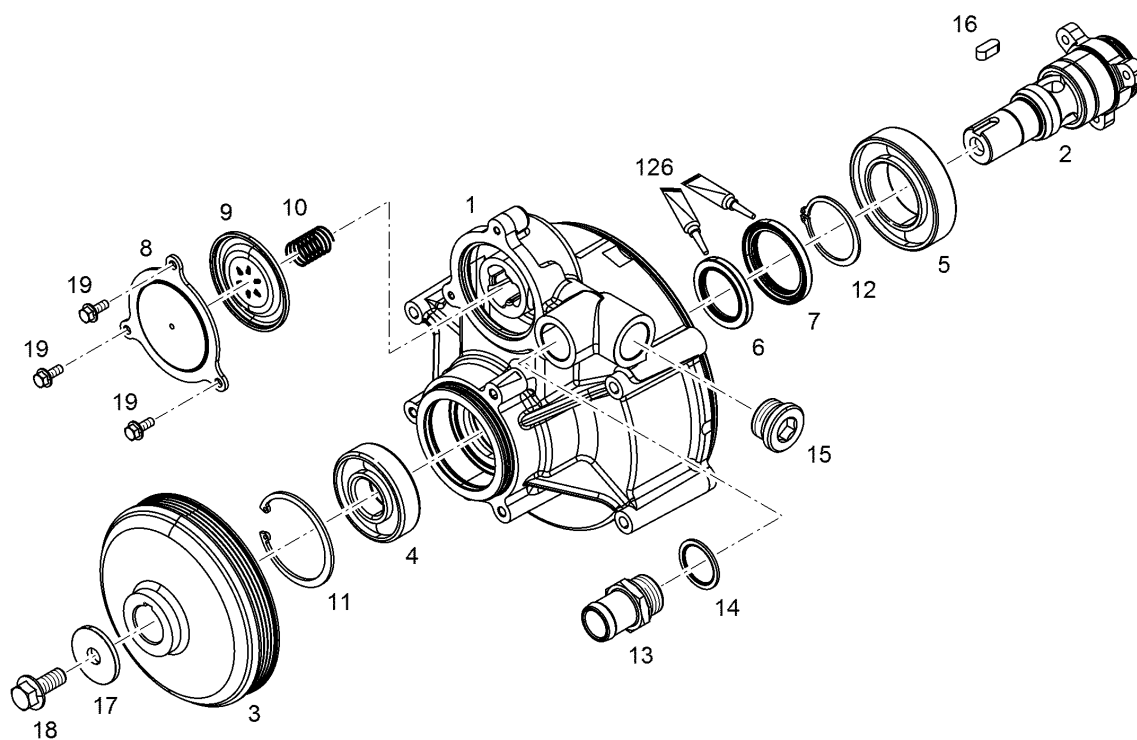
230610258

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610912	-	Crankcase breather	1	UN		
2	230610835	-	Drive shaft	1	UN		
3	230610234	-	Belt pulley	1	UN		
4	230610675	-	Deep groove ball bearing	1	UN		
5	230610674	-	Deep groove ball bearing	1	UN		
6	230610465	-	Rotary shaft lip seal	1	UN		
7	230610466	-	Rotary shaft lip seal	1	UN		
8	230610913	-	Cover	1	UN		
9	230610219	-	Membrane	1	UN		
10	230610259	-	Pressure spring	1	UN		
11	230610380	-	Locking ring	1	UN		
12	230610379	-	Locking ring	1	UN		
13	230610254	-	Hose nipple	1	UN		
14	230610054	-	Sealing ring	1	UN		
15	230610071	-	Screw plug	1	UN		
16	230611014	-	Fitting key	1	UN		



Crankcase breather pre-ass. 230610258

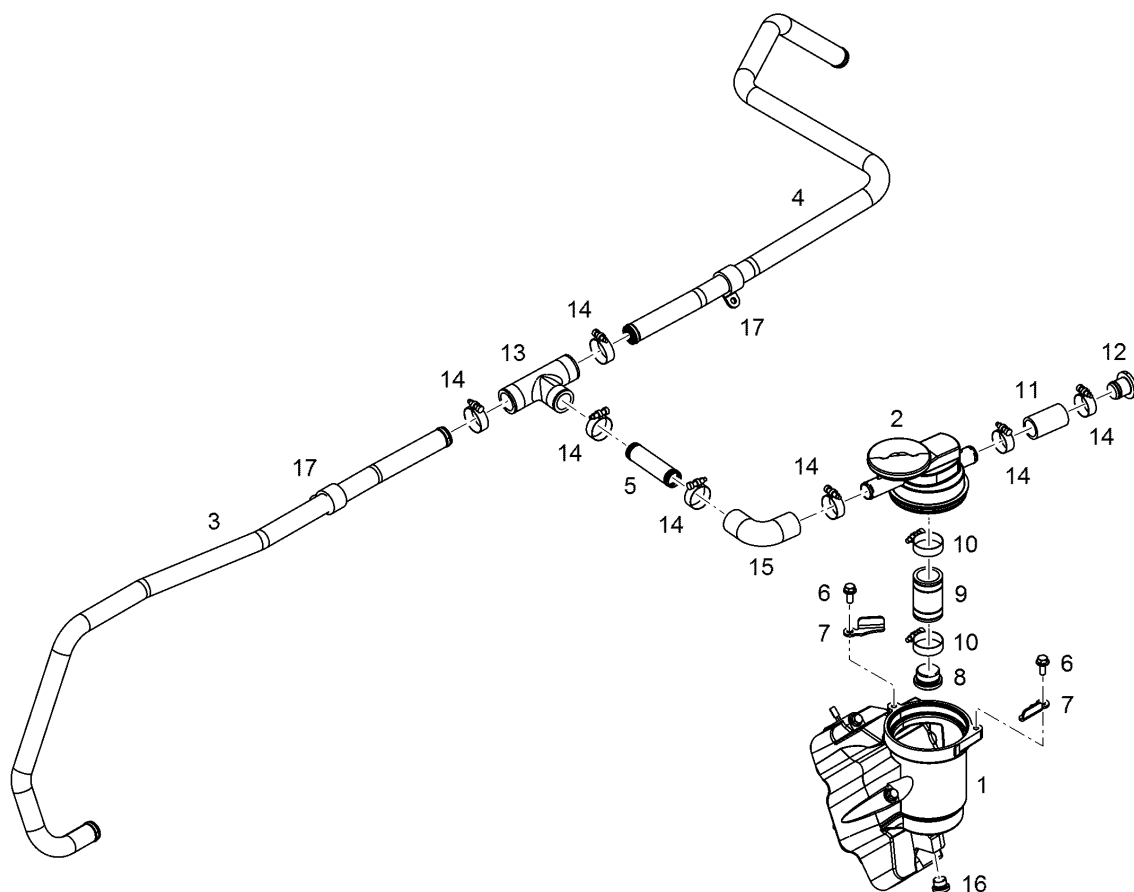
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
17	230610262	-	Washer	1	UN		
18	230610332	-	Hex screw	1	UN		
19	230610312	-	Hex screw	3	UN		
126	230611941	-	Grease	1	UN		



Reworking kit CCV valve

230611021

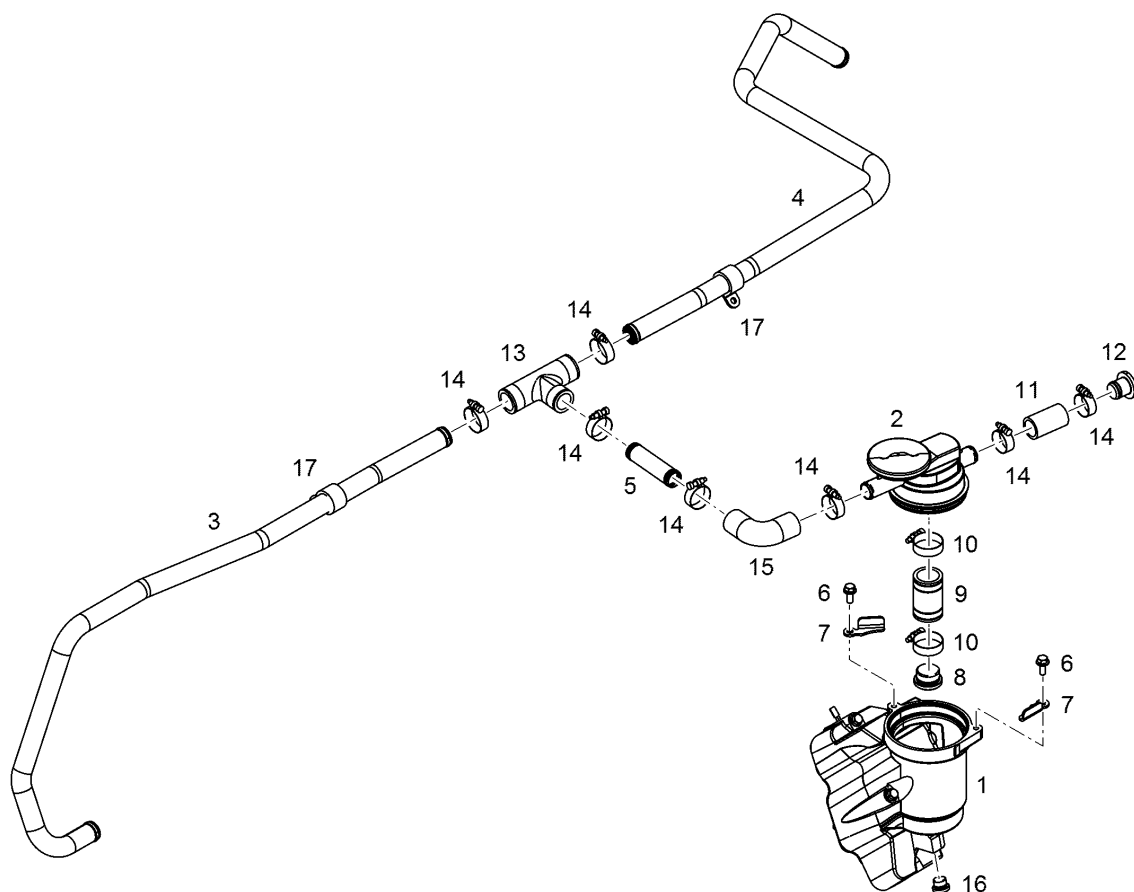
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611006	-	Cylinder head cover assembly	1	UN		18
2	230612784	-	Oil separator	1	UN		
3	230612787	-	Pipeline	1	UN		
4	230612788	-	Pipeline	1	UN		
5	230612783	-	Oil line	1	UN		
6	230611470	-	Hex screw	2	UN		
7	230610538	-	Holder	2	UN		
8	230610069	-	Screw plug	1	UN		
9	230612794	-	Rubber connection	1	UN		
10	230612780	-	Hose clamp	2	UN		
11	230610449	-	Rubber connection	1	UN		
12	230612800	-	Stop plug	1	UN		
13	230612795	-	Rubber connection	1	UN		
14	230610085	-	Hose clamp	7	UN		
15	230610455	-	Rubber connection	1	UN		
16	230610415	-	Screw plug	1	UN		



Reworking kit CCV valve

230611021

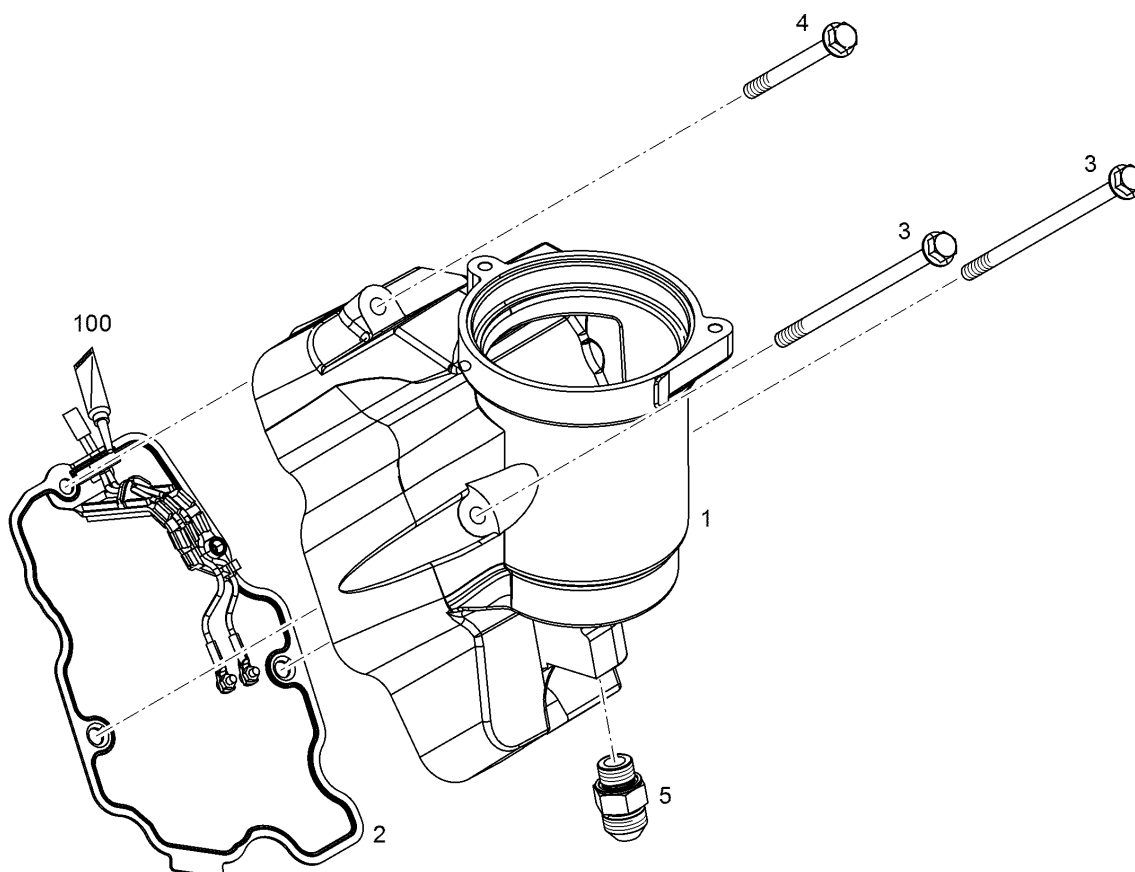
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
17	230610094	-	Clamp	2	UN		



Cylinder head cover assembly

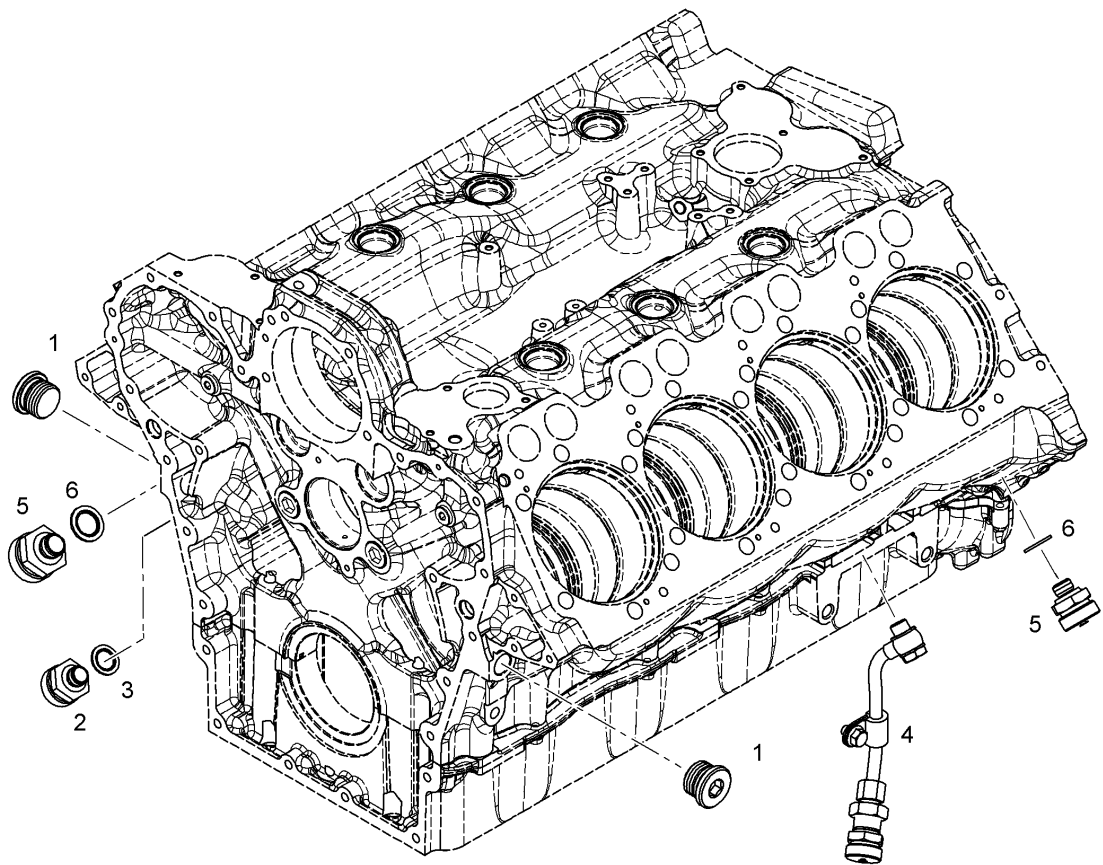
230611006

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611005	-	Cylinder head cover	1	UN		
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		



Locking pieces 230610502

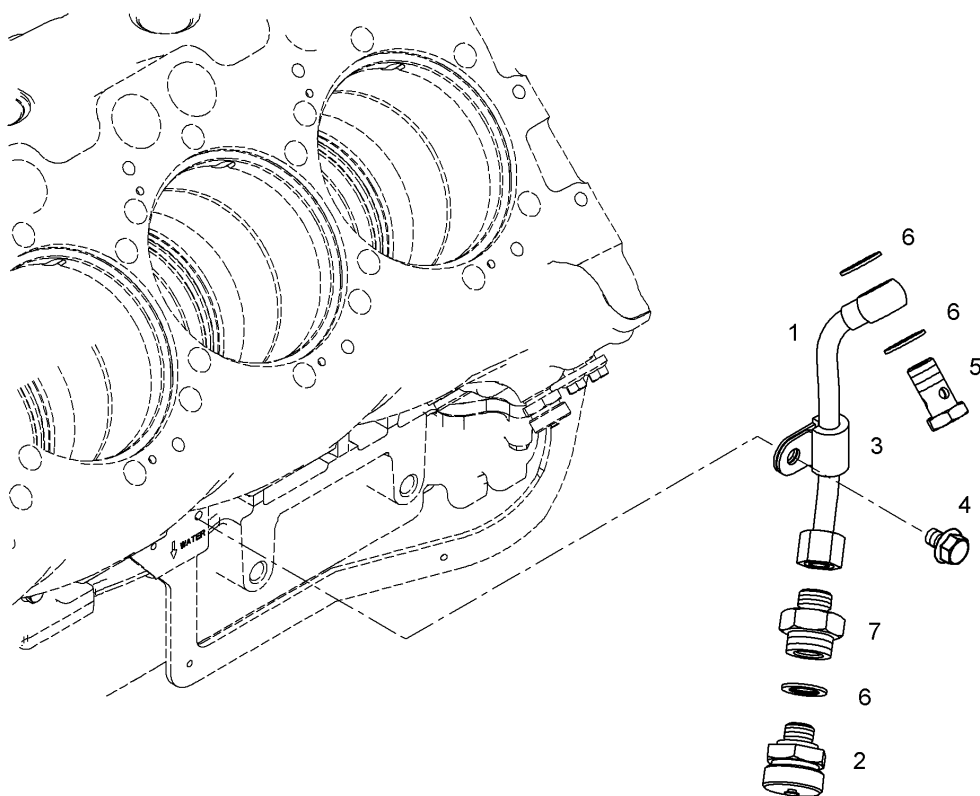
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610066	-	Screw plug	2	UN			
2	230610273	-	Valve	1	UN			
3	230610056	-	Sealing ring	1	UN			
4	230610498	-	Pipeline installation	1	UN			20
5	230610276	-	Drain valve	2	UN			
6	230610059	-	Sealing ring	2	UN			



Pipeline installation

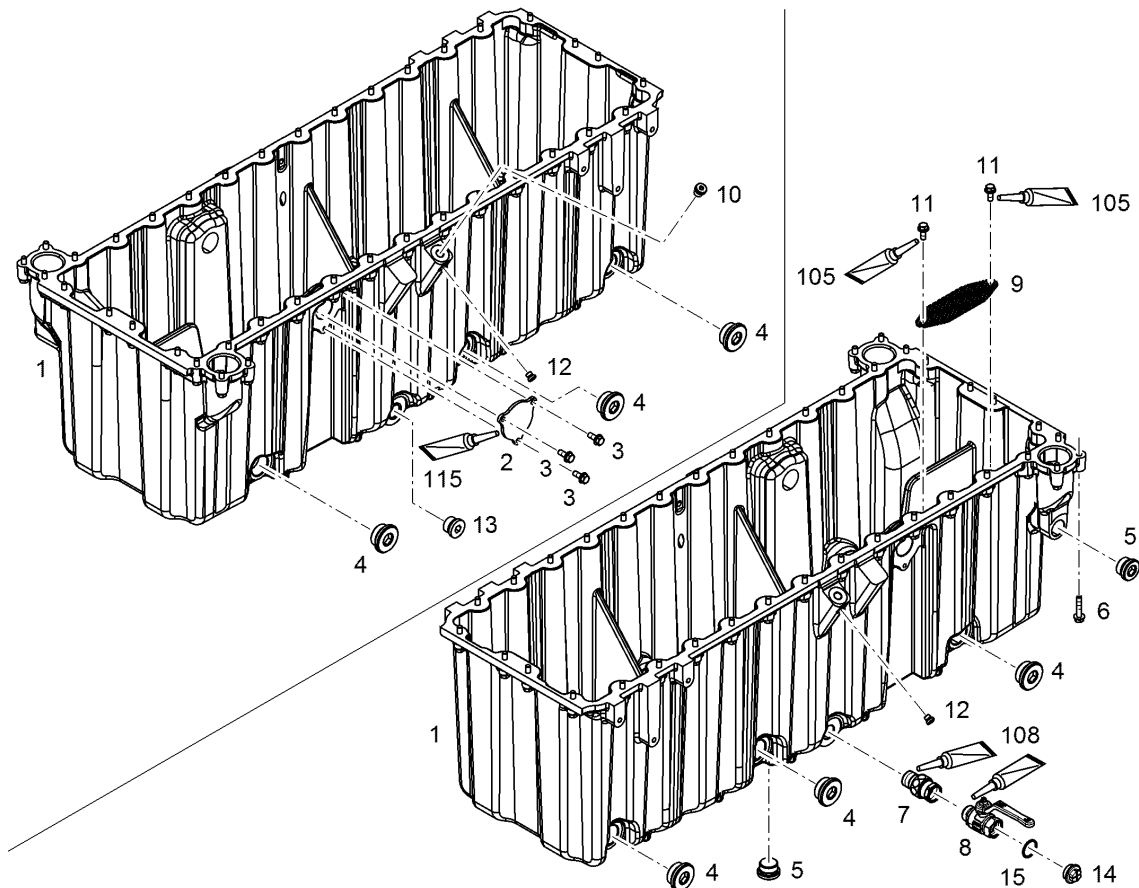
230610498

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610497	-	Pipeline	1	UN			
2	230610273	-	Valve	1	UN			
3	230610087	-	Clamp	1	UN			
4	230611470	-	Hex screw	1	UN			
5	230612360	-	Hollow screw	1	UN			
6	230610056	-	Sealing ring	3	UN			
7	230610499	-	Fittings	1	UN			



Oil sump with fastening 230610154

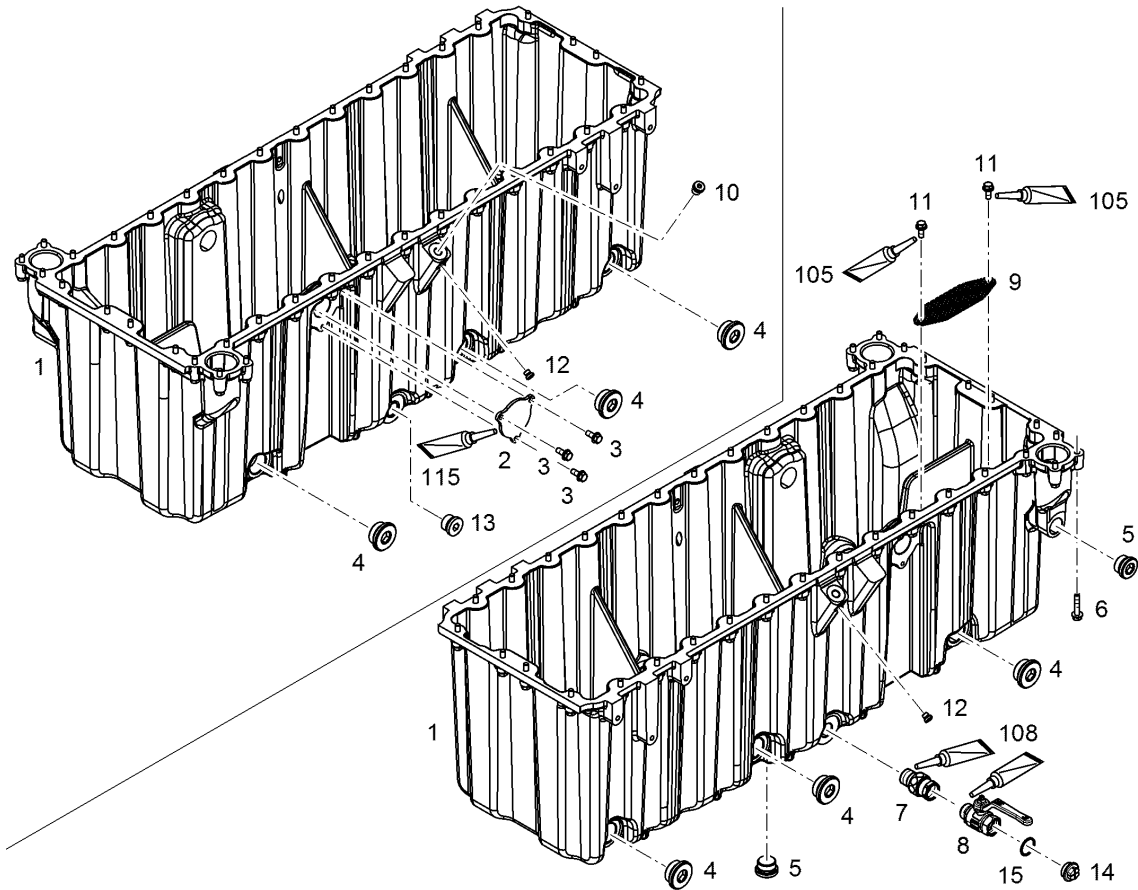
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611943	-	Oil sump	1	UN		
2	230610602	-	Plate	1	UN		
3	230611470	-	Hex screw	3	UN		
4	230610070	-	Screw plug	6	UN		
5	230610071	-	Screw plug	2	UN		
6	230610324	-	Hex screw	38	UN		
7	230610252	-	Double nipple	1	UN		
8	230610274	-	Shut-off valve	1	UN		
9	230610668	-	Perforated plate	1	UN		
10	230610064	-	Screw plug	1	UN		
11	230610318	-	Hex screw	2	UN		
12	230610063	-	Screw plug	2	UN		
13	230610067	-	Screw plug	1	UN		
14	230612438	-	Sealing plug	1	UN		
15	230612402	-	O-ring	1	UN		
105	230611017	-	Screw locking	1	UN		



Oil sump with fastening

230610154

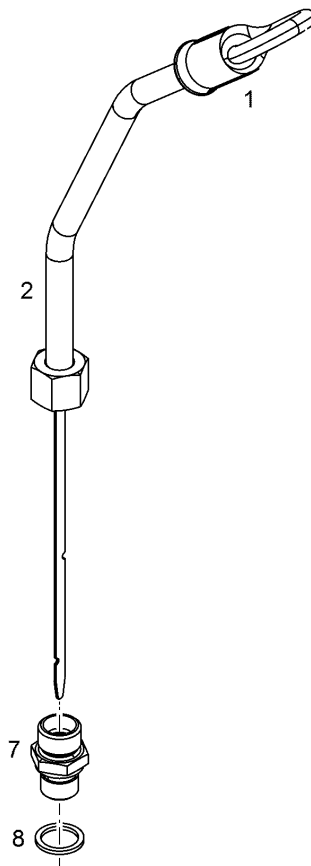
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
108	230611016	-	Sealing compound	1	UN			
115	230610710	-	Surface sealing	1	UN			



Dipstick

230611936

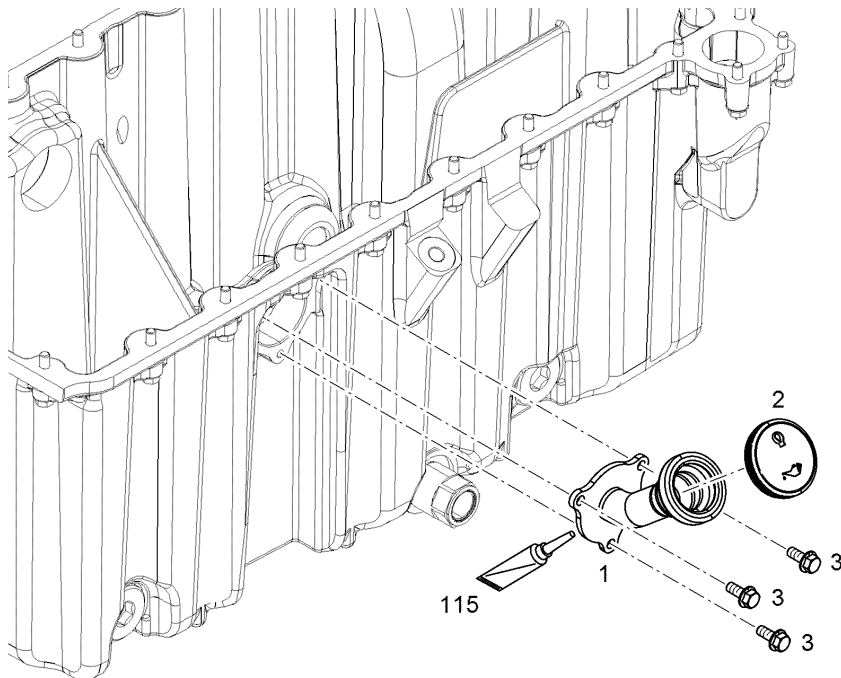
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611960	-	Dipstick	1	UN		
2	230610546	-	Guiding pipe	1	UN		
7	230610442	-	Fittings	1	UN		
8	230610409	-	Sealing ring	1	UN		



Oil filler inlet

230610257

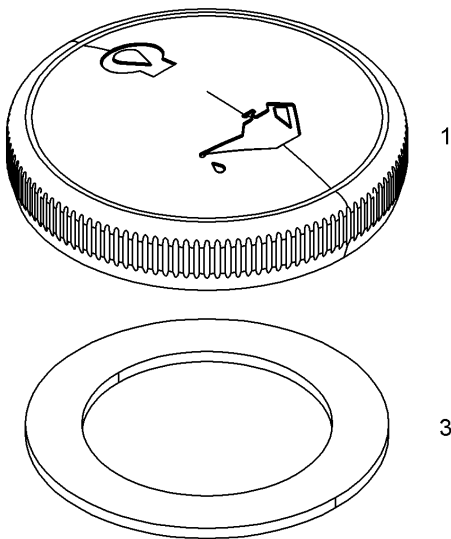
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610683	-	Filler neck	1	UN		
2	230610152	-	End cover	1	UN		25
3	230610318	-	Hex screw	3	UN		
115	230610710	-	Surface sealing	1	UN		



End cover

230610152

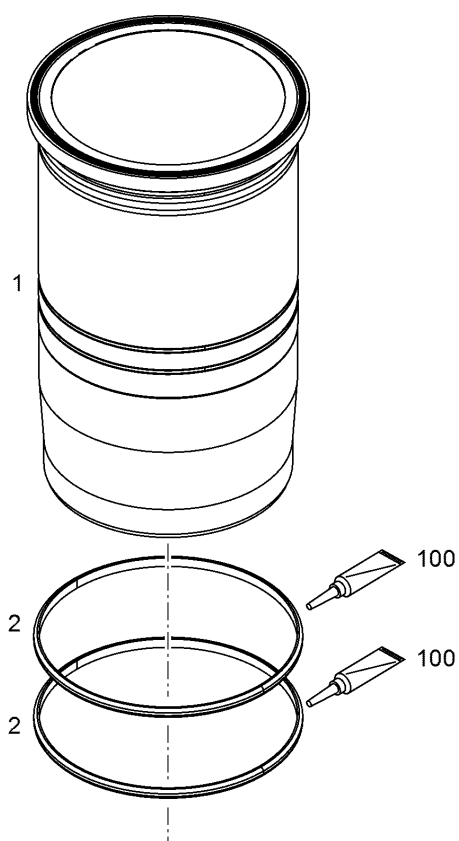
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610444	-	Cover	1	UN		
3	230610445	-	Seal	1	UN		



Cylinder

230610155

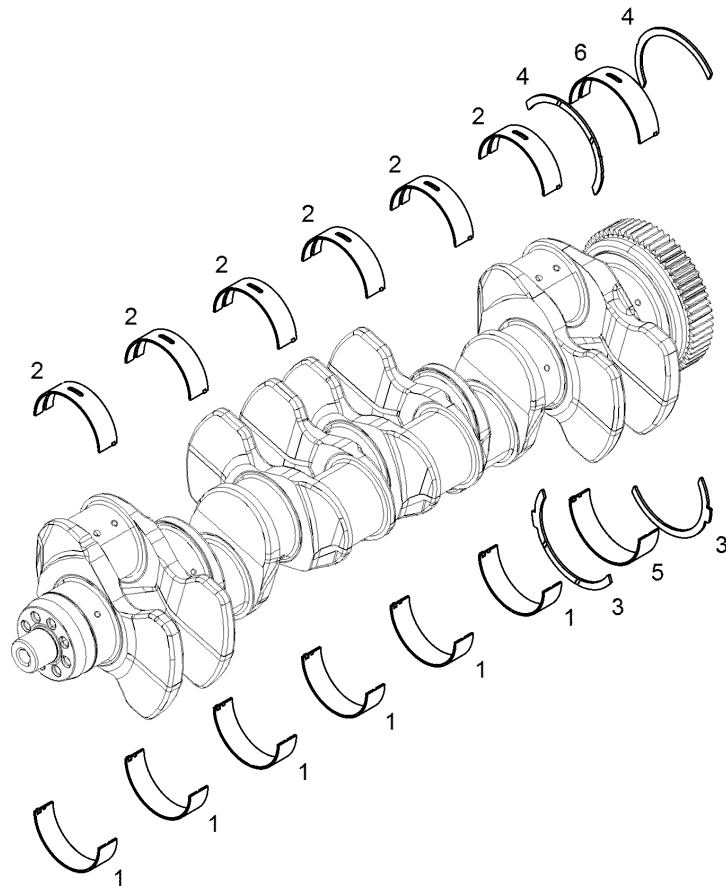
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610877	-	Cylinder liner	1	UN		
2	230611456	-	O-ring	2	UN		
100	230610702	-	Grease	1	UN		9



Crankshaft bearings

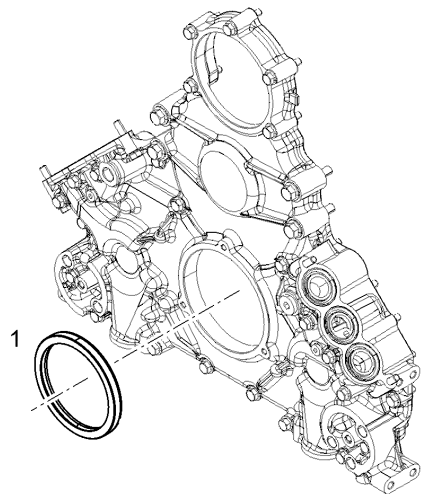
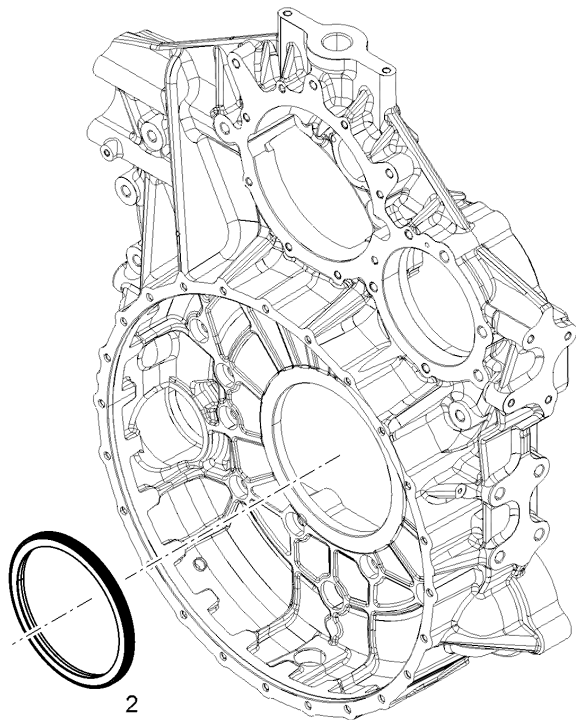
230610572

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610560	-	Main bearing	6	UN		
2	230610561	-	Main bearing	6	UN		
3	230610562	-	Thrust washer	2	UN		
4	230610563	-	Thrust washer	2	UN		
5	230610564	-	Main bearing	1	UN		
6	230610565	-	Main bearing	1	UN		



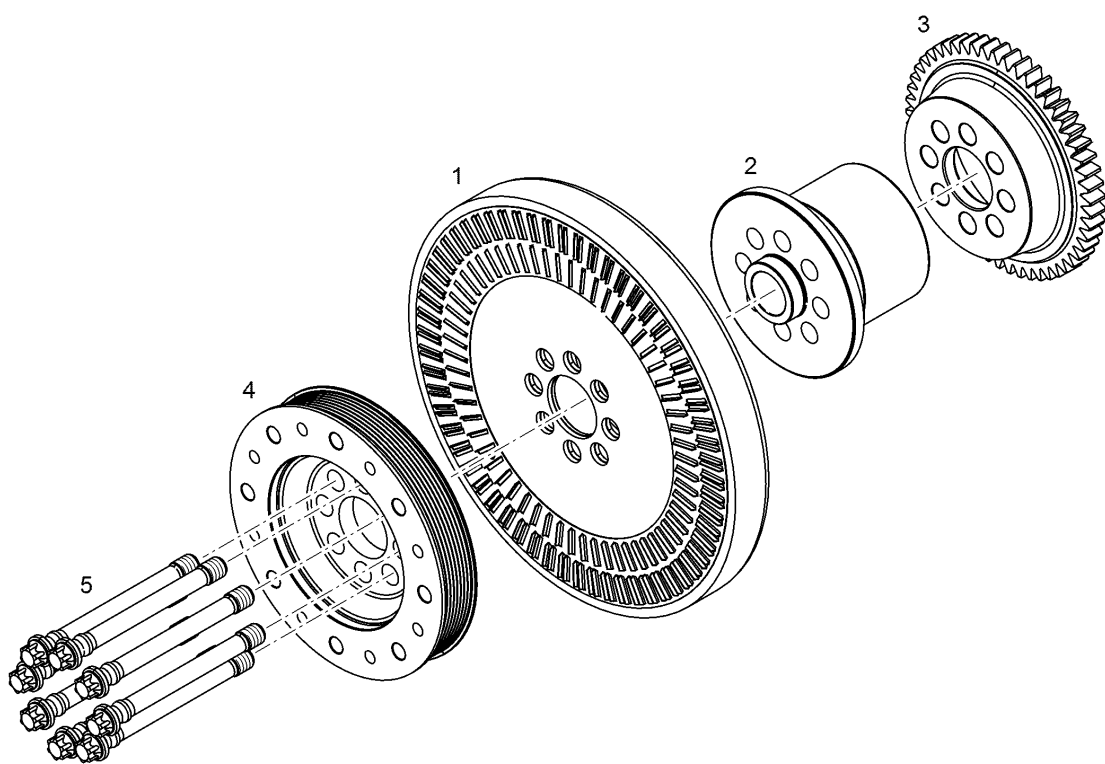
Crankshaft sealing
230610566

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610196	-	Rotary shaft lip seal	1	UN		
2	230611643	-	Lipseal	1	UN		



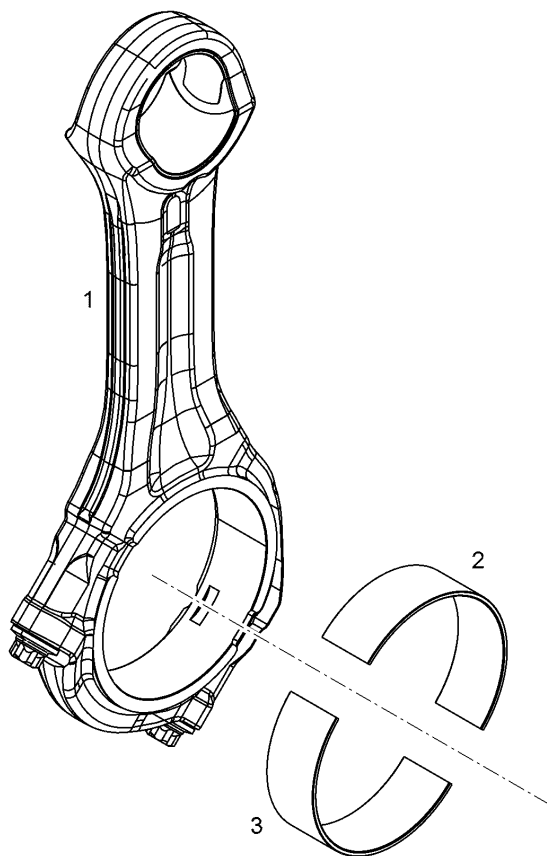
Driving parts
230610892

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610048	-	Viscose damper	1	UN			
2	230610842	-	Spacer piece	1	UN			
3	230610658	-	Gear wheel	1	UN			
4	230610233	-	Belt pulley	1	UN			
5	230610348	-	Hexalobular head screw	8	UN			



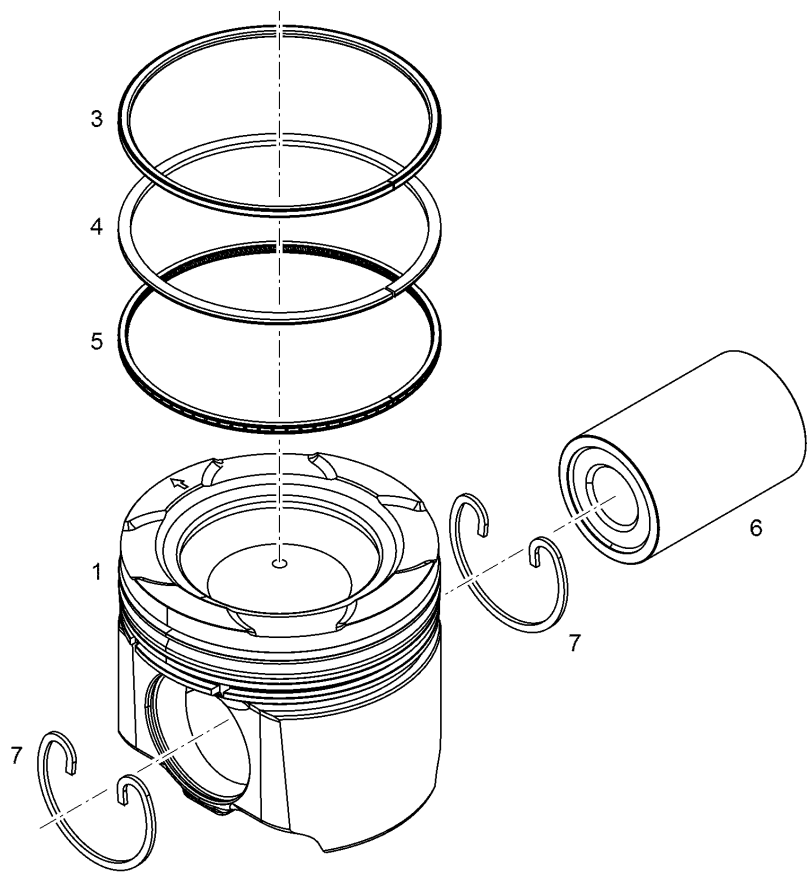
Connecting rod assembly
230610060

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

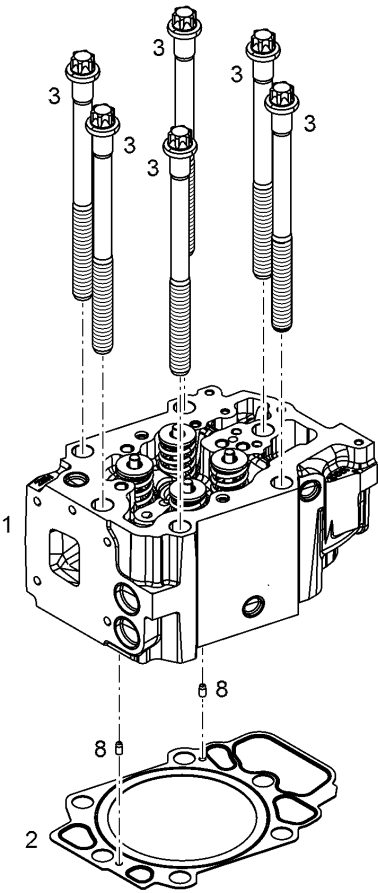
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610847	-	Piston	1	UN		
3	230610268	-	Kb-ring	1	UN		
4	230610267	-	Piston ring mg	1	UN		
5	230610266	-	Dsf ring	1	UN		
6	230610588	-	Piston bolt	1	UN		
7	230610050	-	Locking ring	2	UN		



Cylinder head assembly

230610153

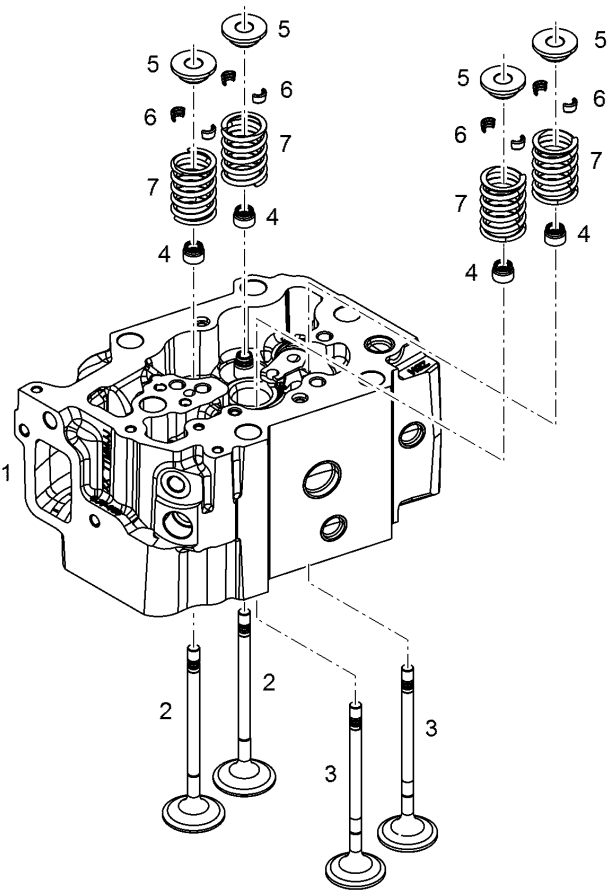
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610919	-	Cylinder head pre-assy.	1	UN		33
2	230610190	-	Cylinder head gasket	1	UN		
3	230610363	-	Cylinder screw	6	UN		
8	230610181	-	Parallel pin	2	UN		



Cylinder head pre-assy.

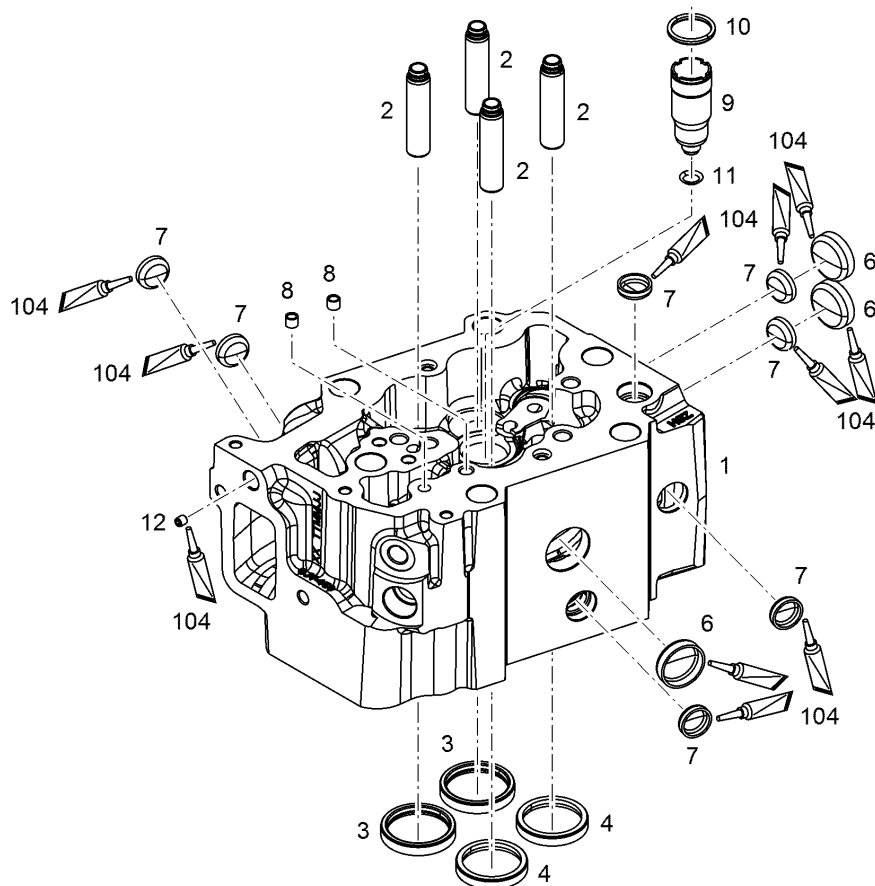
230610919

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610918	-	Cylinder head	1	UN		34
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		



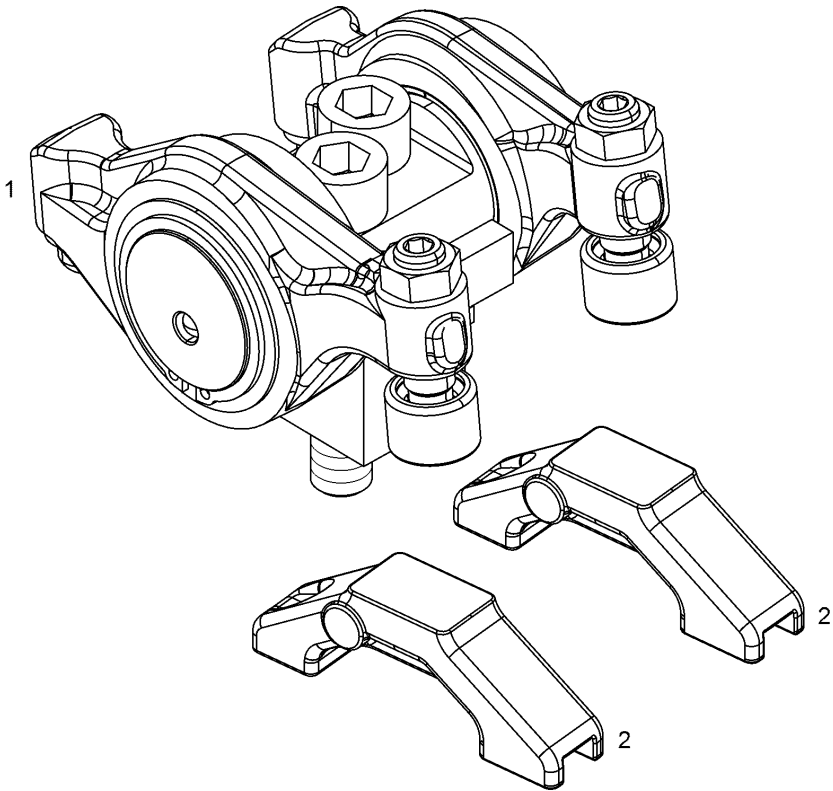
Cylinder head 230610918

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	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			
104	230611018	-	Glue	1	UN			



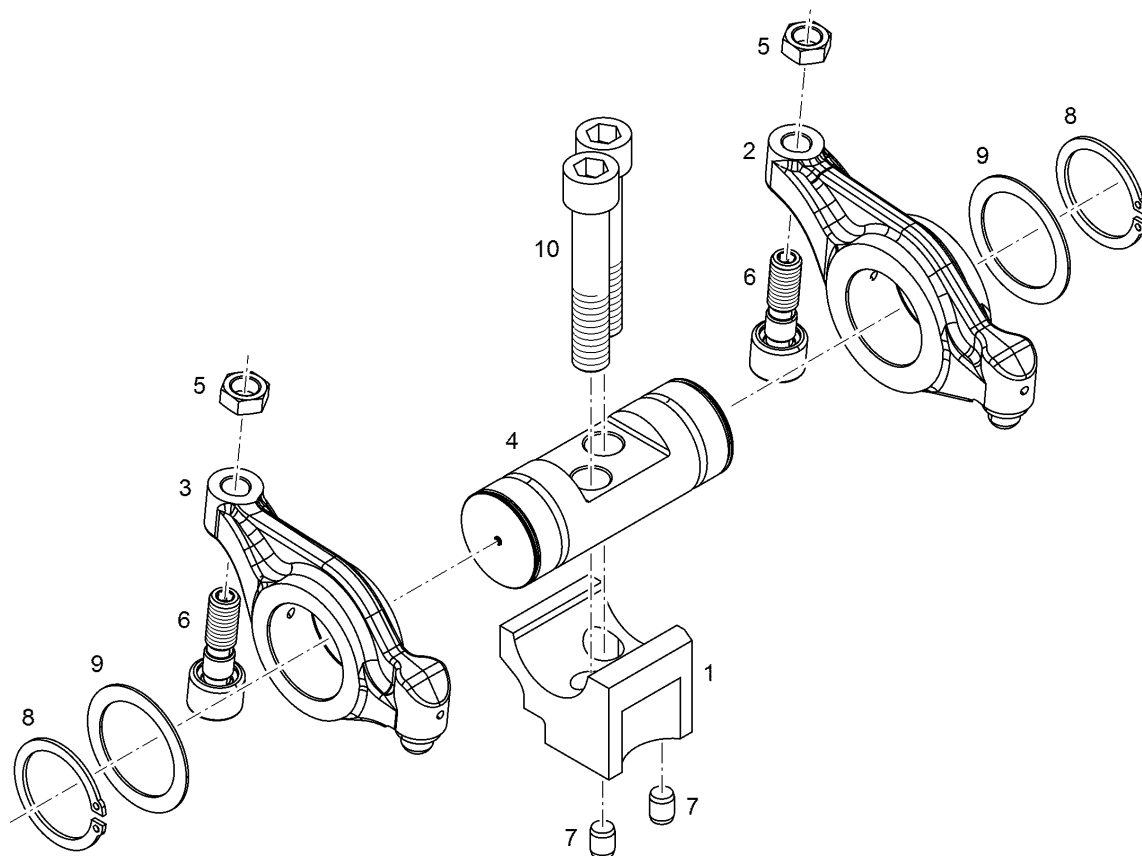
Rocker arms device cpl.
230610160

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610660	-	Rocker arm bracket pre-ass.	1	UN			36
2	230610697	-	Valve bridge	2	UN			



Rocker arm bracket pre-ass. 230610660

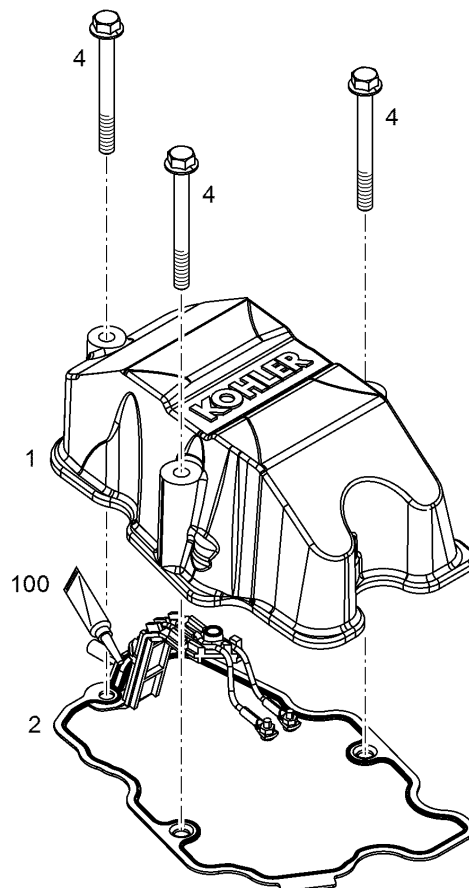
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610759	-	Rocker arm support	1	UN		
2	230610762	-	Rocker arm	1	UN		
3	230610761	-	Rocker arm	1	UN		
4	230610763	-	Rocker axle pre-ass.	1	UN		
5	230610654	-	Hex nut	2	UN		
6	230610655	-	Adjusting screw	2	UN		
7	230610947	-	Parallel pin	2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



Cylinder head cover assembly

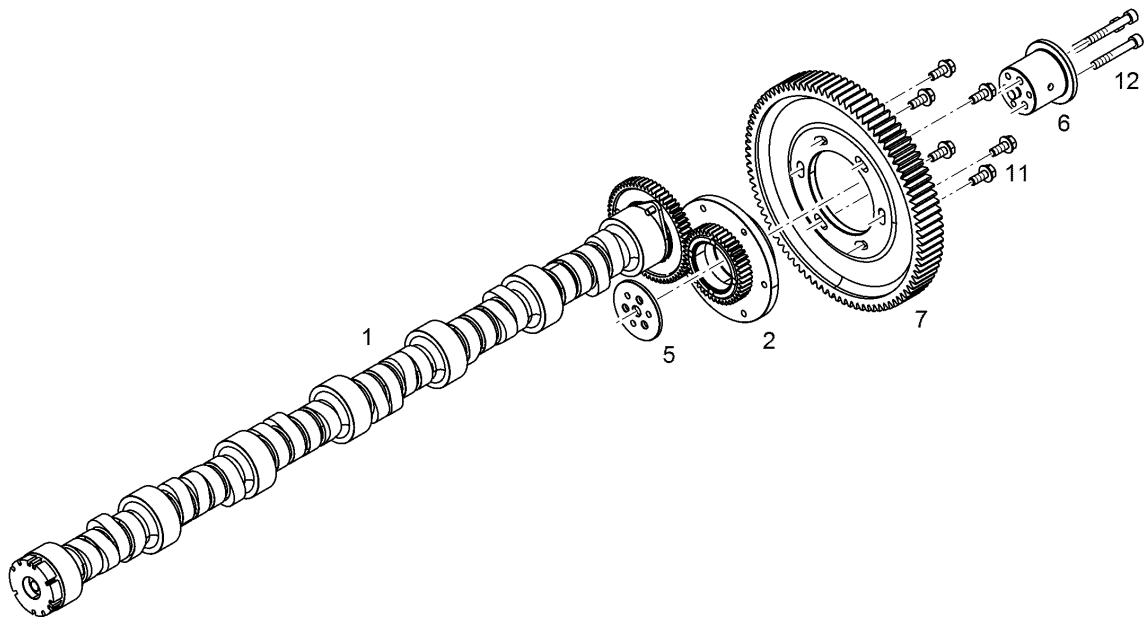
230610073

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		



Camshaft cpl. 230610850

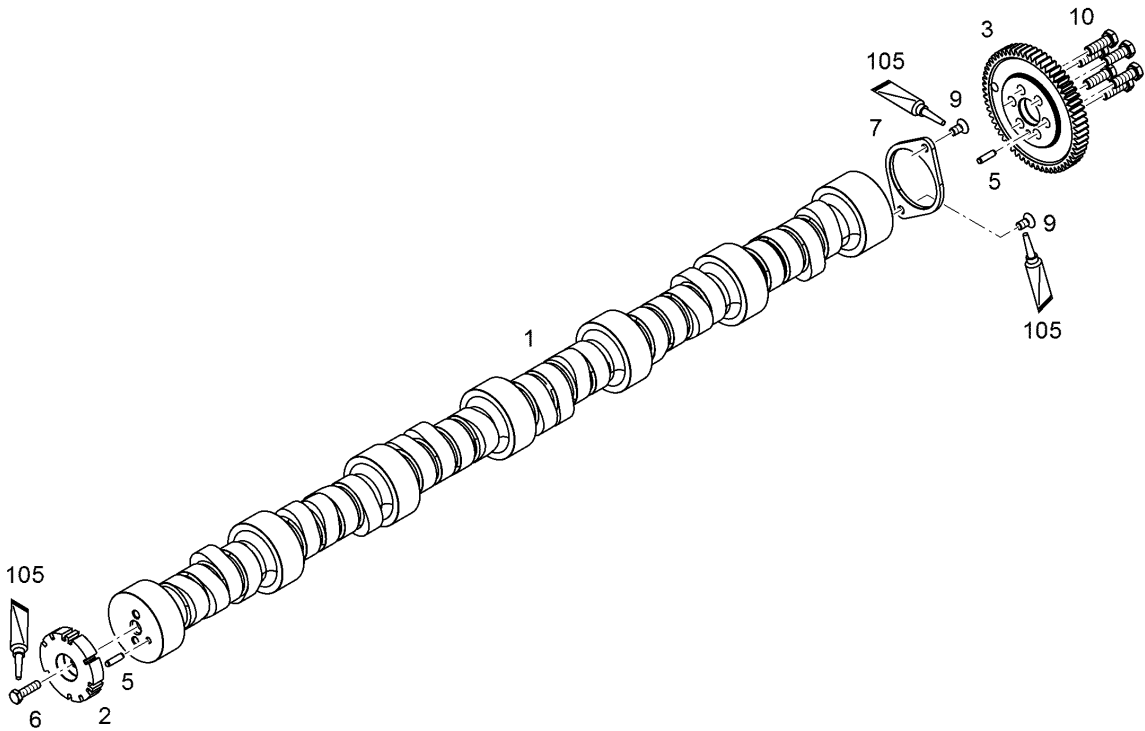
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610849	-	Camshaft pre-ass.	1	UN		39
2	230610688	-	Gearwheel pre-ass.	1	UN		
5	230610569	-	Flange	1	UN		
6	230610568	-	Shaft	1	UN		
7	230610687	-	Gear wheel	1	UN		
11	230610469	-	Hex screw	6	UN		
12	230610400	-	Socket head screw	3	UN		



Camshaft pre-ass.

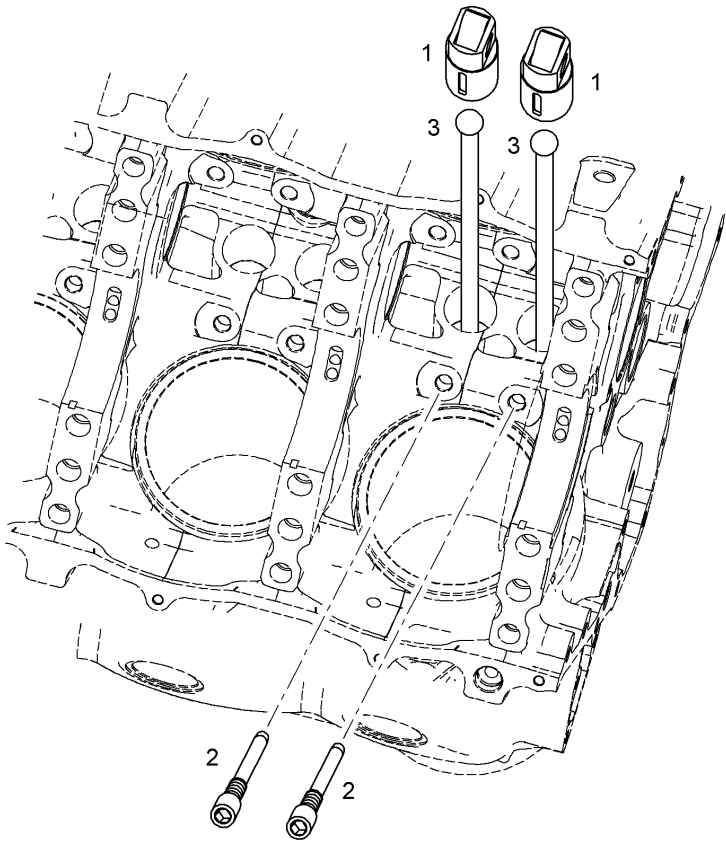
230610849

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610644	-	Camshaft	1	UN			
2	230610783	-	Timing disk	1	UN			
3	230610690	-	Gear wheel	1	UN			
5	230610401	-	Parallel pin	2	UN			
6	230610707	-	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
230610492

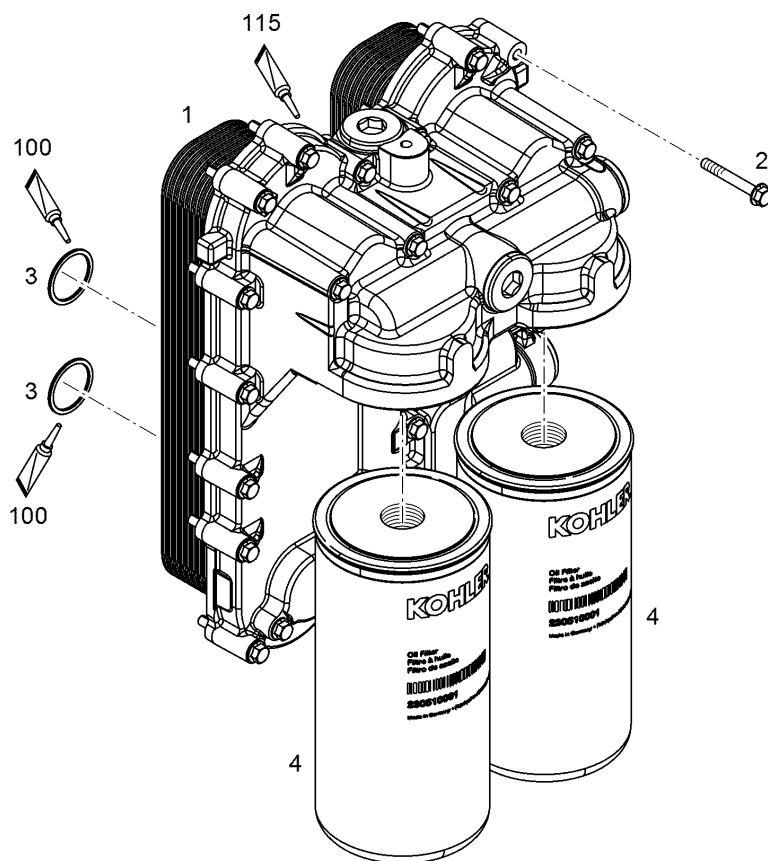
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610239	-	Roller tappet	2	UN			
2	230610362	-	Locking screw	2	UN			
3	230610287	-	Tappet push rod	2	UN			



Oil module assembly

230611938

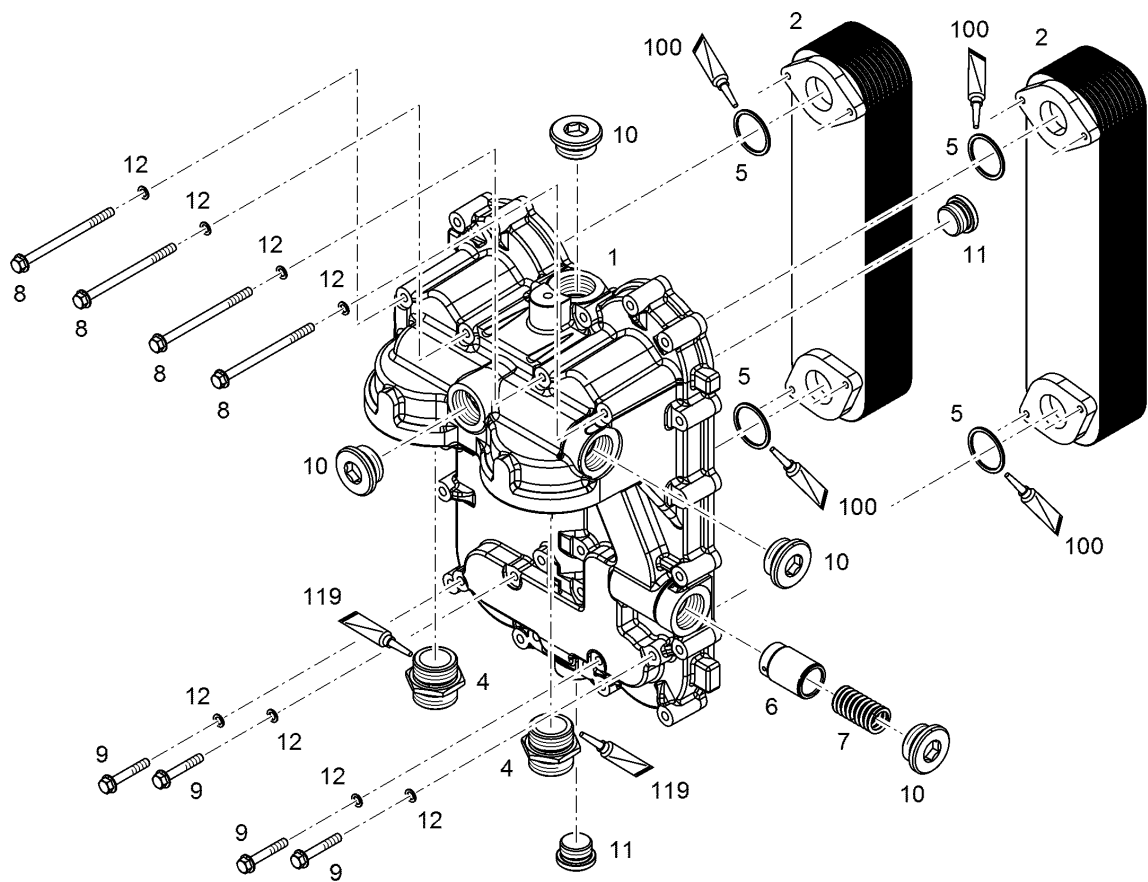
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610886	-	Oil module	1	UN		42
2	230610329	-	Hex screw	27	UN		
3	230610203	-	O-ring	2	UN		
4	230510001	-	Oil filter	2	UN		
100	230610702	-	Grease	1	UN		9
115	230610710	-	Surface sealing	1	UN		



Oil module

230610886

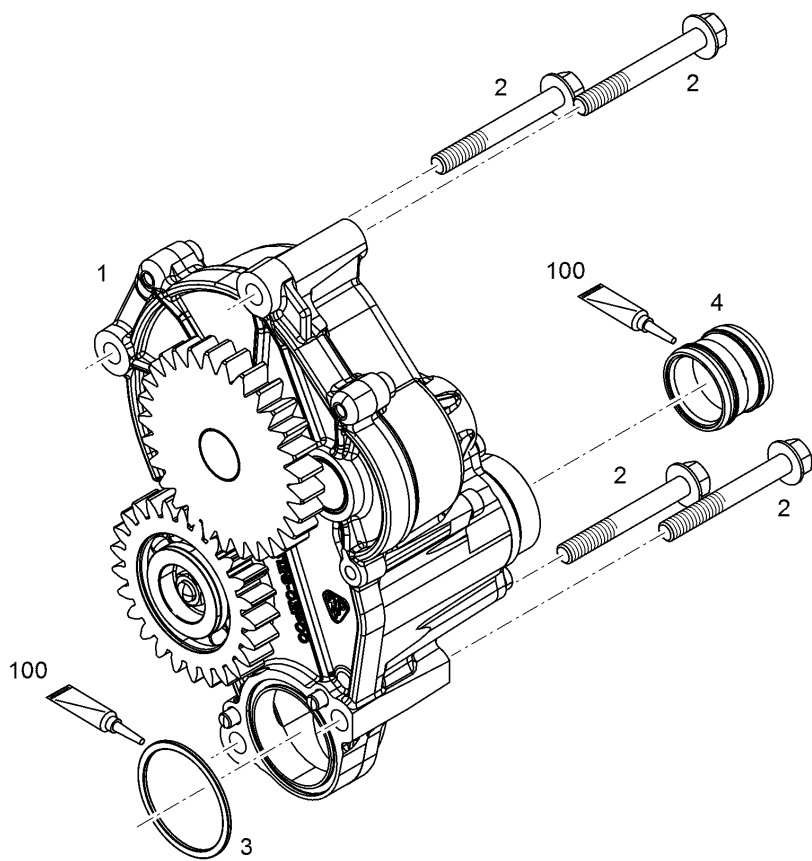
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610887	-	Oil cooler housing	1	UN			
2	230610648	-	Oil cooler	2	UN			
4	230610250	-	Fittings	2	UN			
5	230610203	-	O-ring	4	UN			
6	230610634	-	Piston	1	UN			
7	230610633	-	Pressure spring	1	UN			
8	230610338	-	Hex screw	4	UN			
9	230611490	-	Hex screw	4	UN			
10	230610070	-	Screw plug	4	UN			
11	230610071	-	Screw plug	2	UN			
12	230610393	-	Sealing ring	8	UN			
100	230610702	-	Grease	1	UN			9
119	230611018	-	Glue	1	UN			



Lube oil pump with fastening

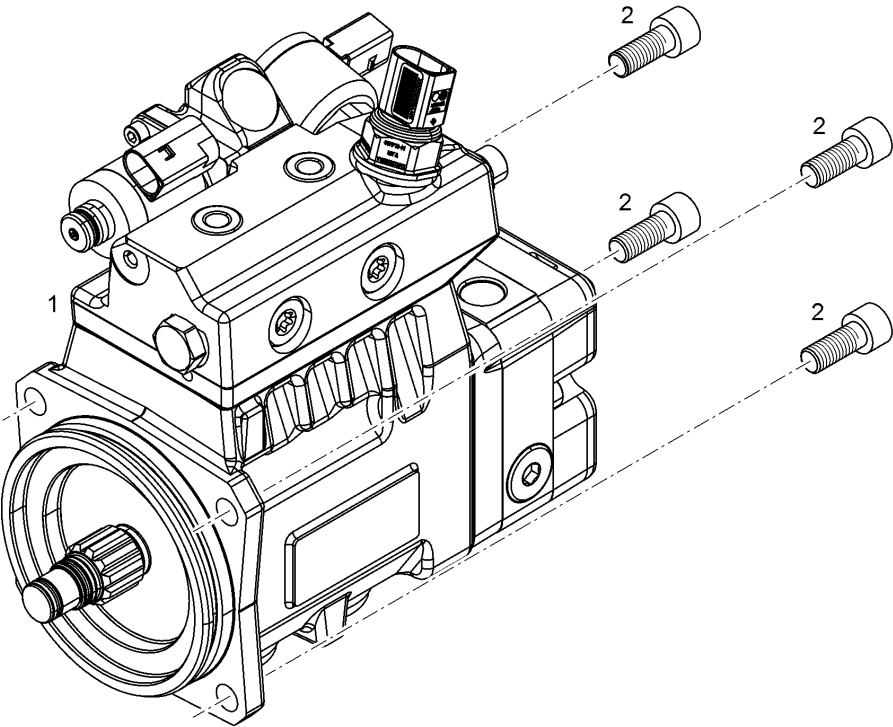
230610231

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611954	-	Oil pump	1	UN			
2	230610460	-	Hex screw	4	UN			
3	230610414	-	O-ring	1	UN			
4	230610711	-	Plug-in pipe	1	UN			
100	230610702	-	Grease	1	UN			9



High pressure pump w.fastening
230610232

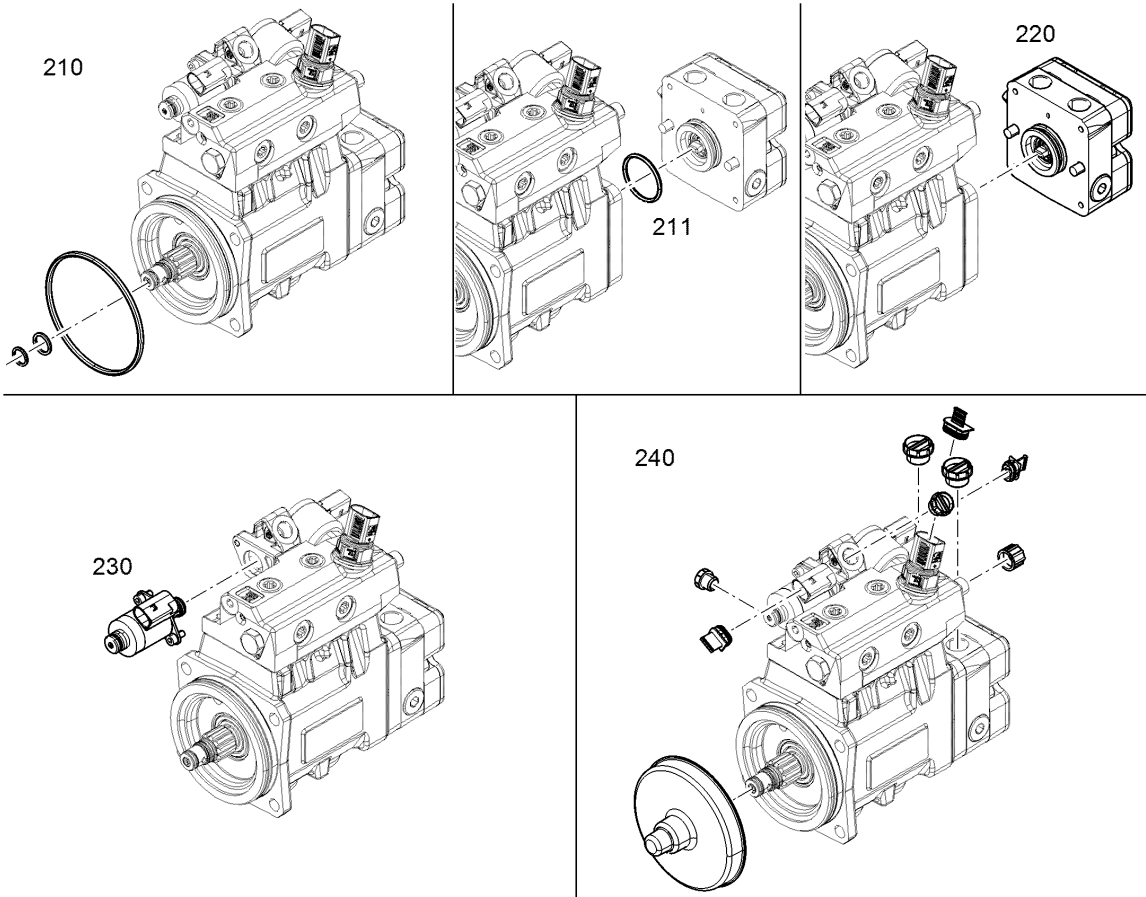
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610592	-	High pressure pump	1	UN		45
2	230612797	-	Socket head screw	4	UN		



High pressure pump

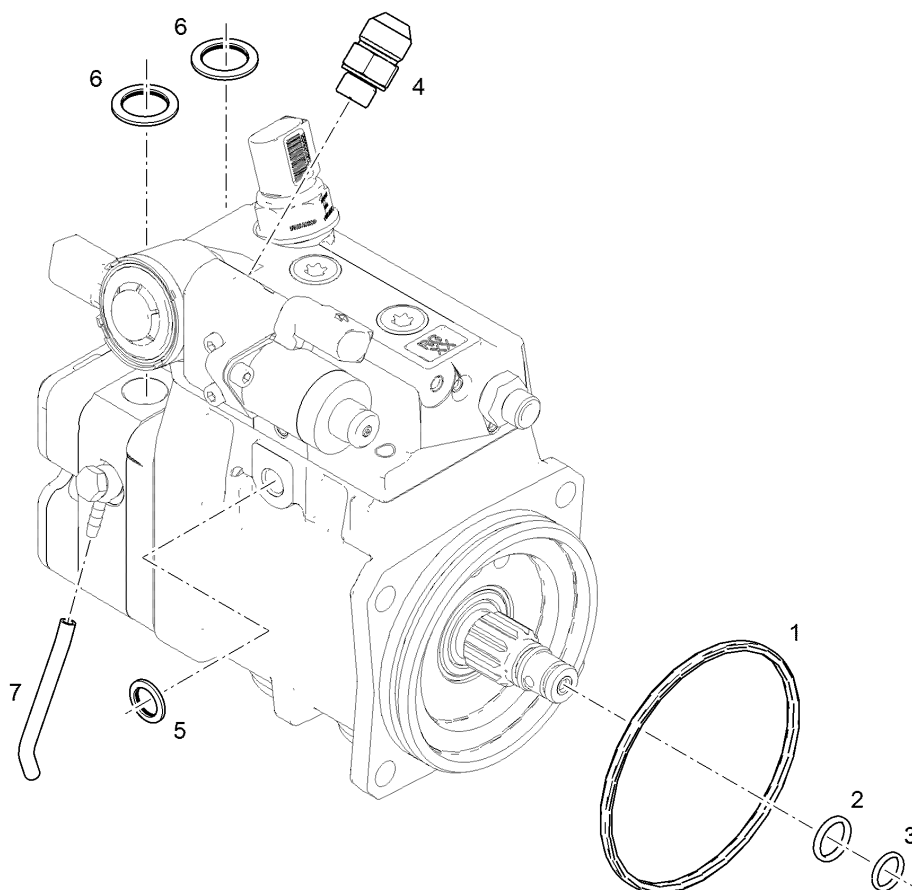
230610592

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
210	230610229	-	Seal kit high pressure pump	1	UN		46
211	230612437	-	Seal kit prefeeding pump	1	UN		47
220	230610576	-	Rk pre-feed pump	1	UN		48
230	230612688	-	Repair kit volum control valve	1	UN		49
240	230612260	-	Covering caps - kit	1	UN		50



Seal kit high pressure pump 230610229

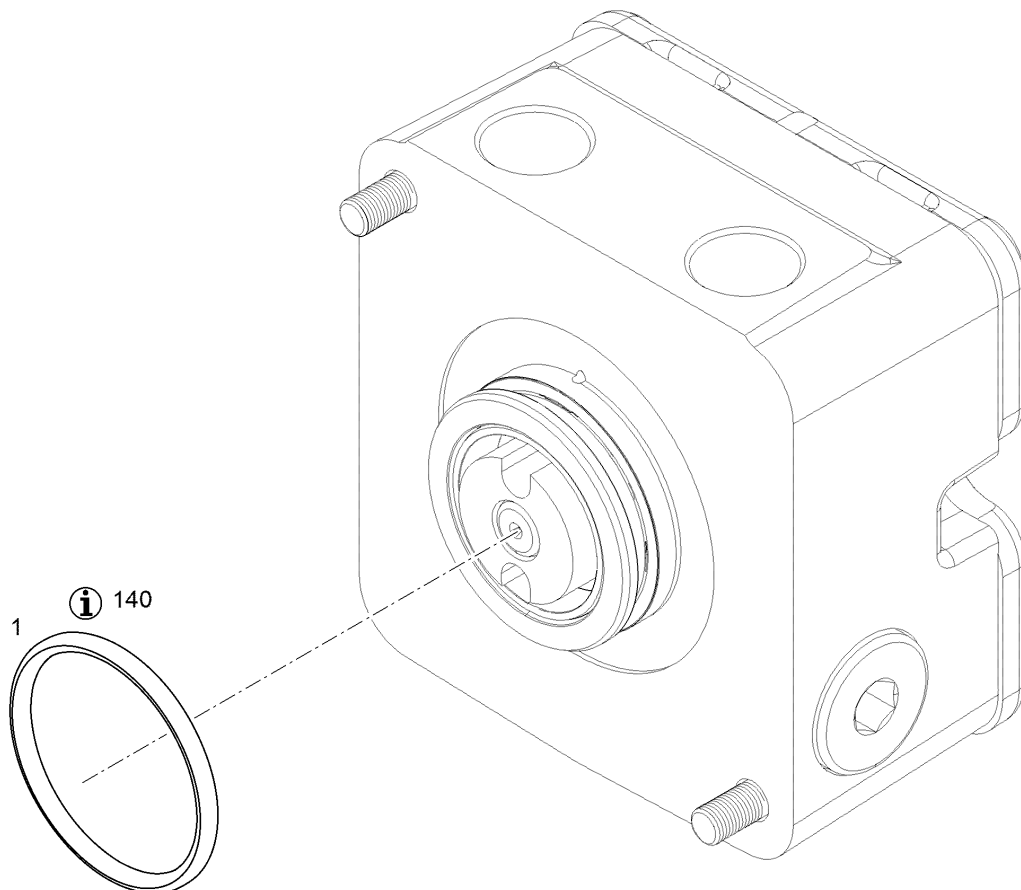
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610523	-	O-ring	1	UN		
2	230610522	-	O-ring	1	UN		
3	230610199	-	O-ring	1	UN		
4	230610246	-	Flange joint	1	UN		
5	230610051	-	Sealing ring	2	UN		
6	230610053	-	Sealing ring	4	UN		
7	230610727	-	Fuel hose	0.5	UN		



Seal kit prefeeding pump

230612437

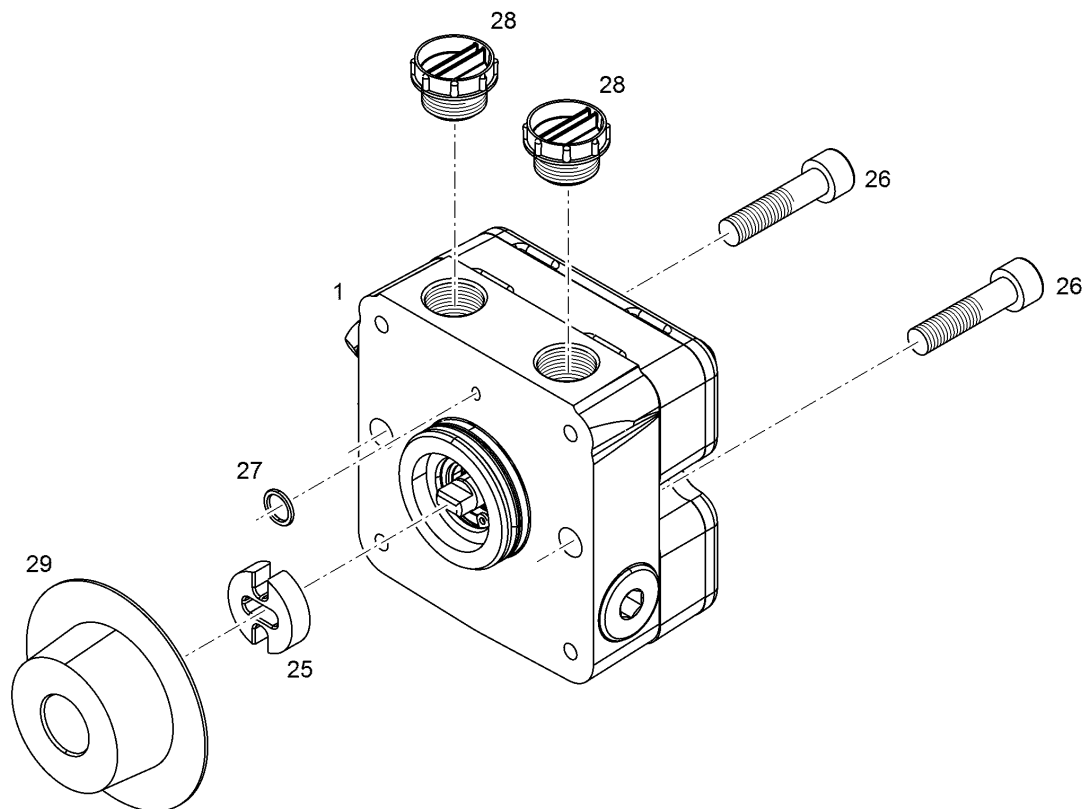
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612403	-	O-ring	1	UN		
140	230612387	-	Mounting requirement	1	UN		



Rk pre-feed pump

230610576

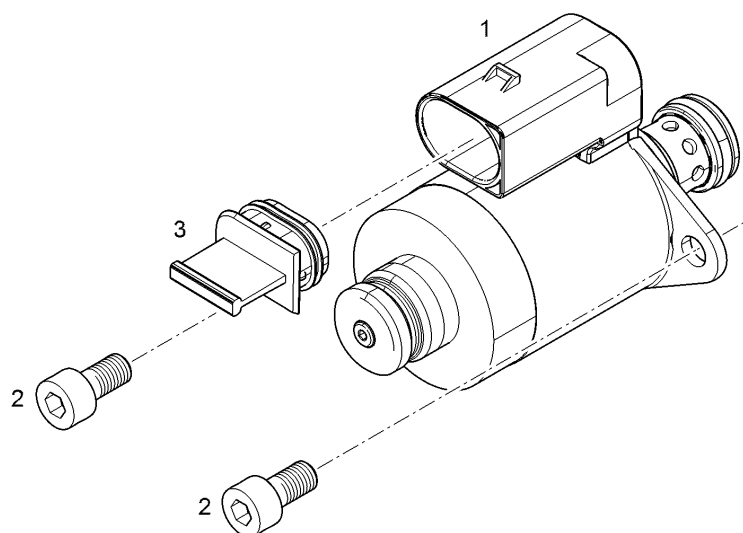
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612789	-	Prefeeding pump	1	UN		
25	230612774	-	Coupling	1	UN		
26	230612442	-	Socket head screw	2	UN		
27	230612785	-	O-ring	1	UN		
28	230612255	-	Cover lid	2	UN		
29	230612448	-	Universal protection	1	UN		



Repair kit volum control valve

230612688

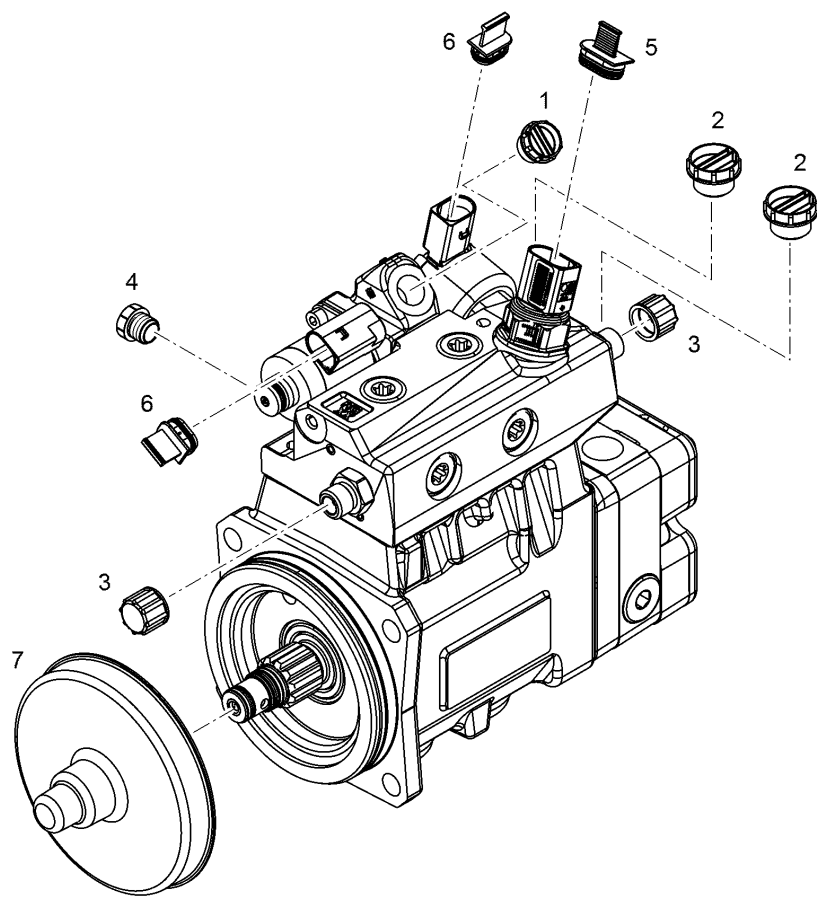
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611636	-	Valve	1	UN		
2	230612443	-	Socket head screw	2	UN		
3	230612234	-	Blanking plug	1	UN		



Covering caps - kit

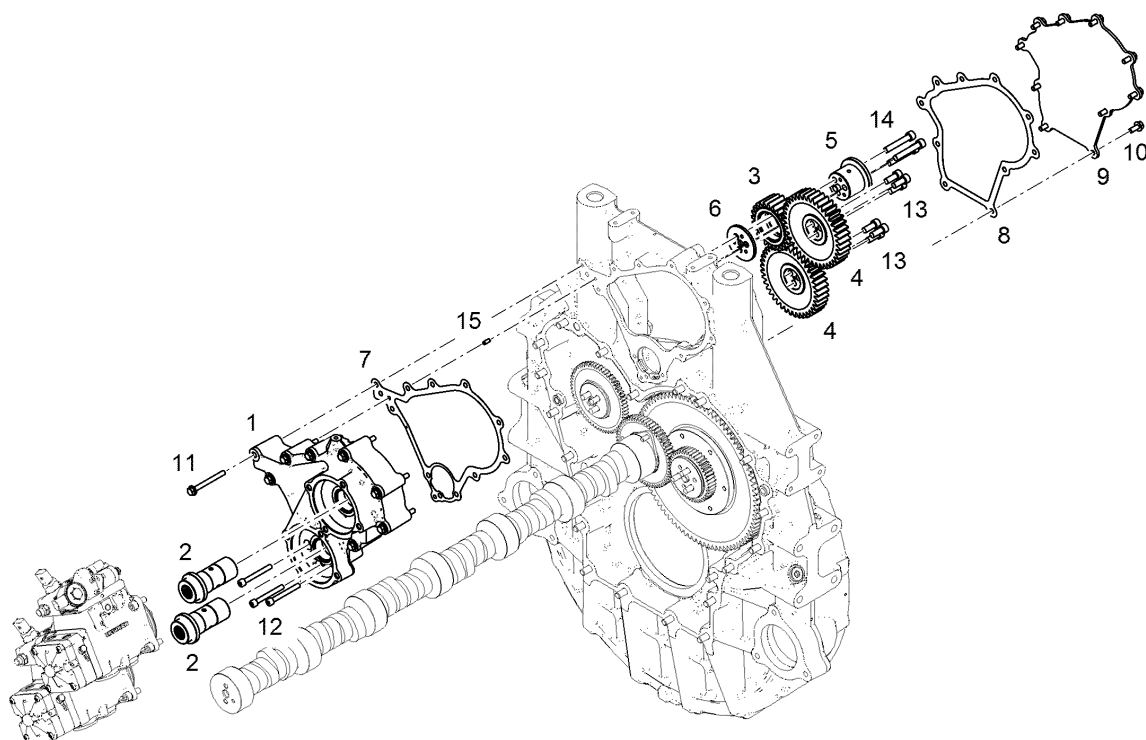
230612260

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612878	-	Screw stopper	1	UN		
2	230612255	-	Cover lid	2	UN		
3	230612879	-	Screw cap	2	UN		
4	230612880	-	Screw stopper	1	UN		
5	230612233	-	Blanking plug	1	UN		
6	230612234	-	Blanking plug	2	UN		
7	230612259	-	Cover lid	1	UN		



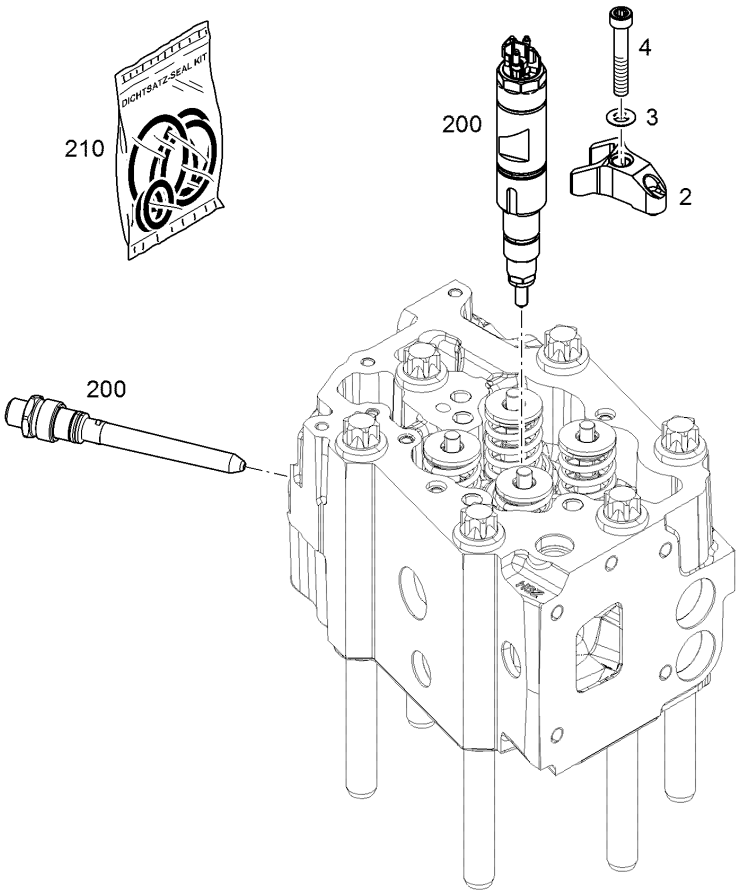
Drive for high pressure pump 230610166

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610821	-	Housing pre-assembled	1	UN			
2	230610575	-	Drive shaft	2	UN			
3	230610691	-	Gearwheel pre-ass.	1	UN			
4	230610689	-	Gear wheel	2	UN			
5	230610577	-	Shaft	1	UN			
6	230610578	-	Flange	1	UN			
7	230610820	-	Seal	1	UN			
8	230610579	-	Seal	1	UN			
9	230610580	-	Cover	1	UN			
10	230611470	-	Hex screw	10	UN			
11	230610333	-	Hex screw	8	UN			
12	230610719	-	Socket head screw	3	UN			
13	230610403	-	Socket head screw	6	UN			
14	230610377	-	Socket head screw	3	UN			
15	230610391	-	Parallel pin	1	UN			



Injector with fastening 230612373

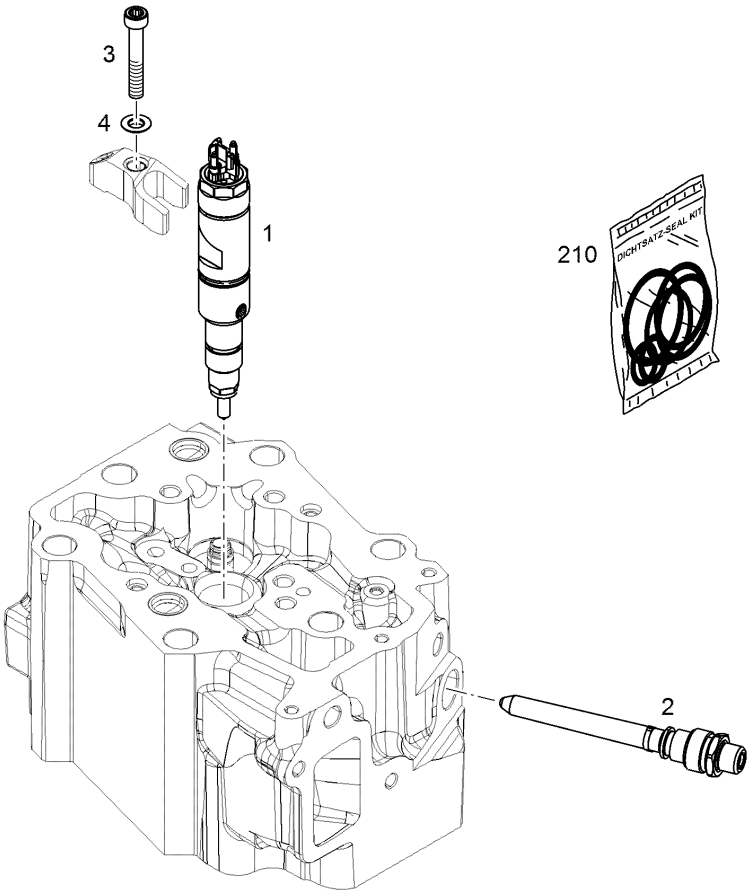
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
2	230610182	-	Jaw	1	UN		
3	230612799	-	Spherical washer	1	UN		
4	230610317	-	Socket head screw	1	UN		
200	230610183	-	Rk injector	1	UN		53
210	230610228	-	Seal kit injector	1	UN		56



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		54
3	230610317	-	Socket head screw	1	UN		
4	230612875	-	Spherical washer	1	UN		
210	230610228	-	Seal kit injector	1	UN		56



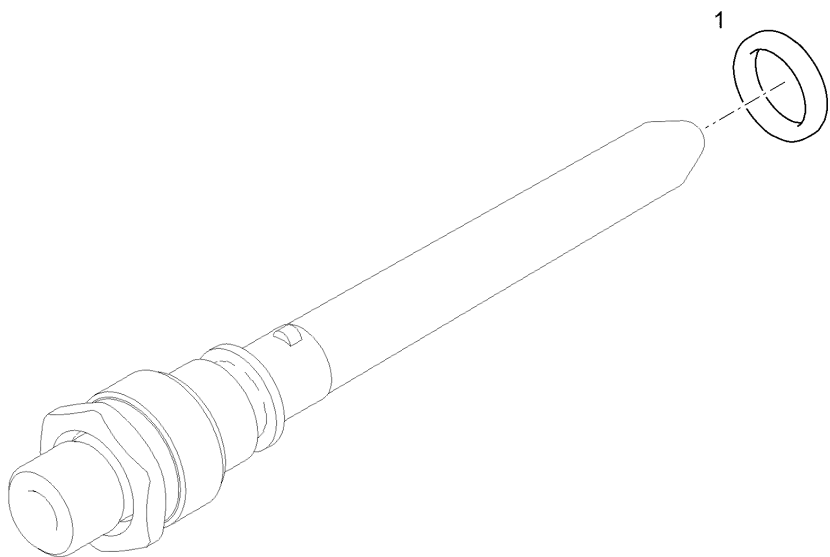
High pressure connector

230610251

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
210	230610227	-	Seal kit high press.connector	1	UN		55

Seal kit high press.connector
230610227

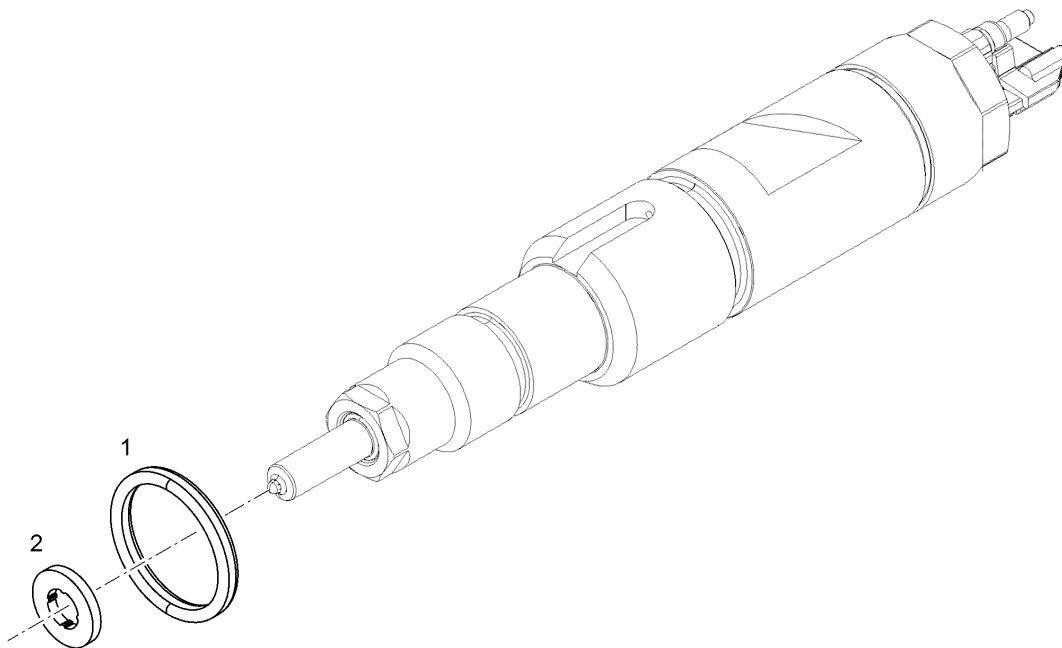
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610729	-	O-ring	1	UN		



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		
140	230610529	-	Mounting requirement	1	UN		

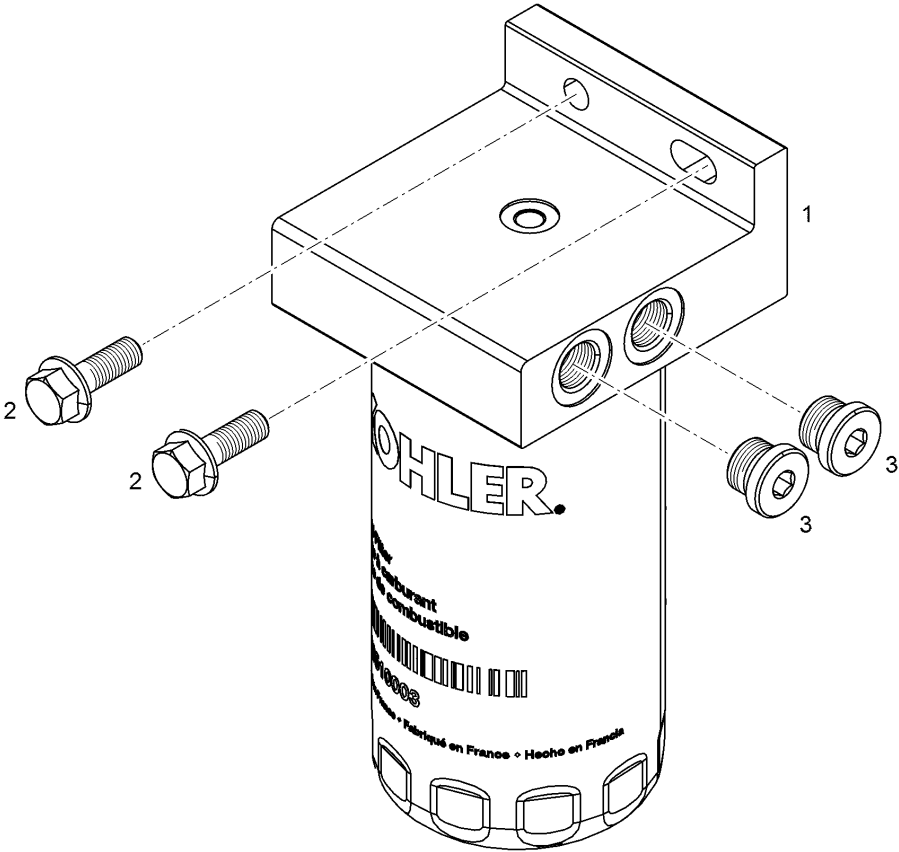


i 140

Fuel fine-filter assembly

230611939

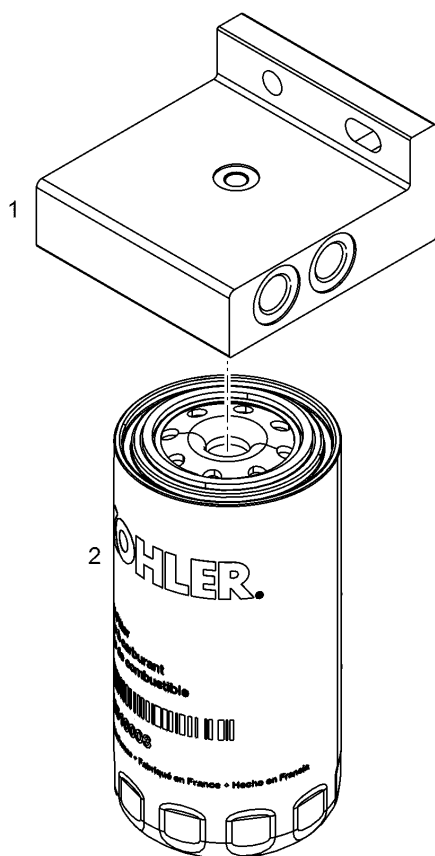
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611955	-	Fuel filter module	1	UN			58
2	230610323	-	Hex screw	2	UN			
3	230610415	-	Screw plug	2	UN			



Fuel filter module

230611955

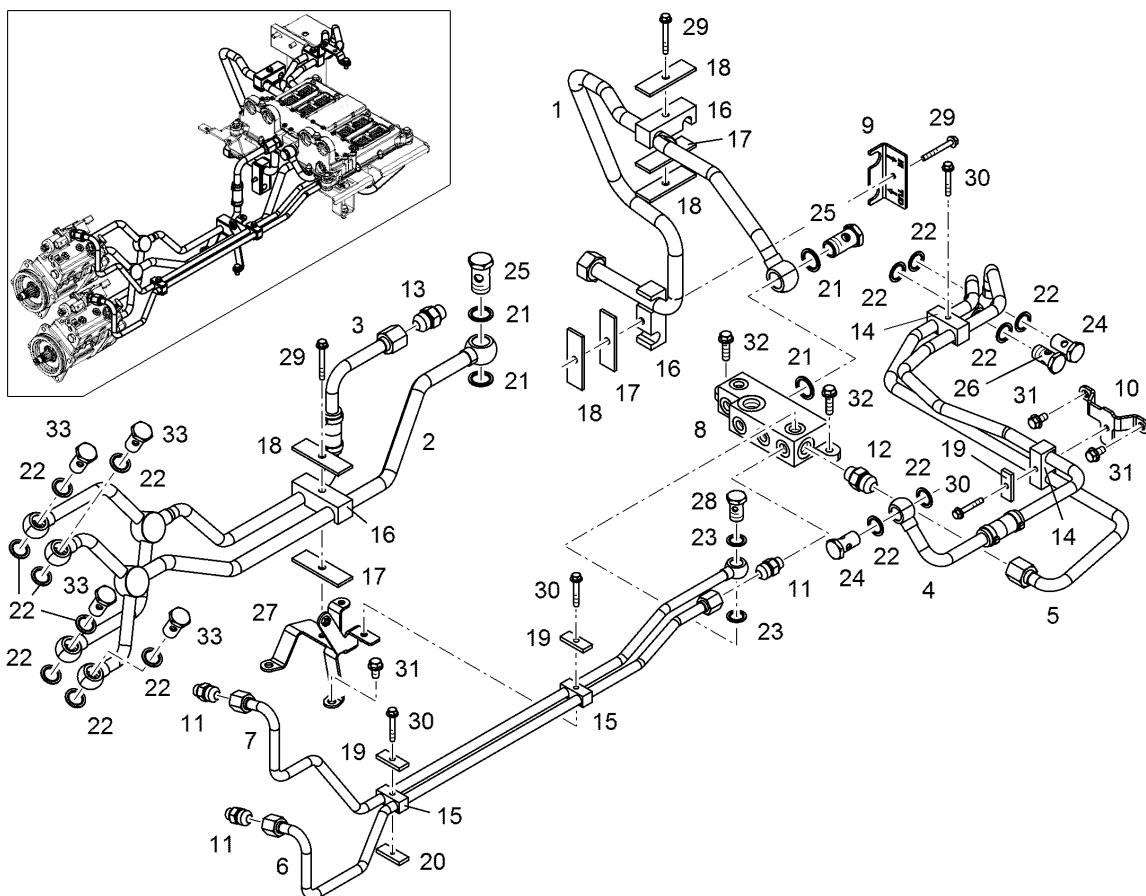
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611956	-	Filter head	1	UN		
2	230510003	-	Fuel fine filter	1	UN		



Fuel lines

230610854

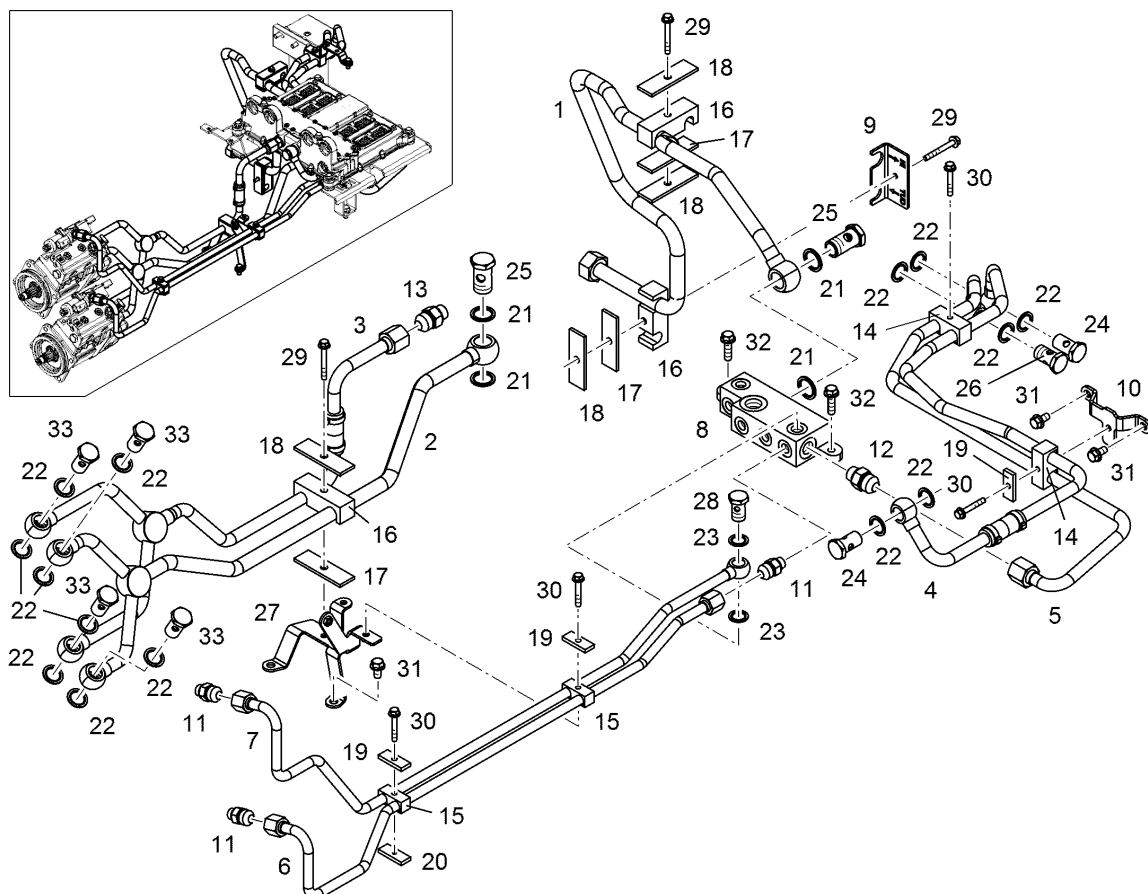
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610109	-	Fuel line	1	UN		
2	230610110	-	Fuel line	1	UN		
3	230612776	-	Fuel line	1	UN		
4	230612777	-	Fuel line	1	UN		
5	230610106	-	Fuel line	1	UN		
6	230610105	-	Fuel line	1	UN		
7	230610107	-	Fuel line	1	UN		
8	230610062	-	Distributor block	1	UN		
9	230610288	-	Plate	1	UN		
10	230610282	-	Holder	1	UN		
11	230610246	-	Flange joint	3	UN		
12	230610244	-	Flange joint	1	UN		
13	230610245	-	Flange joint	1	UN		
14	230610092	-	Pipe clamp	2	UN		
15	230610089	-	Pipe clamp	2	UN		
16	230610098	-	Pipe clamp	3	UN		



Fuel lines

230610854

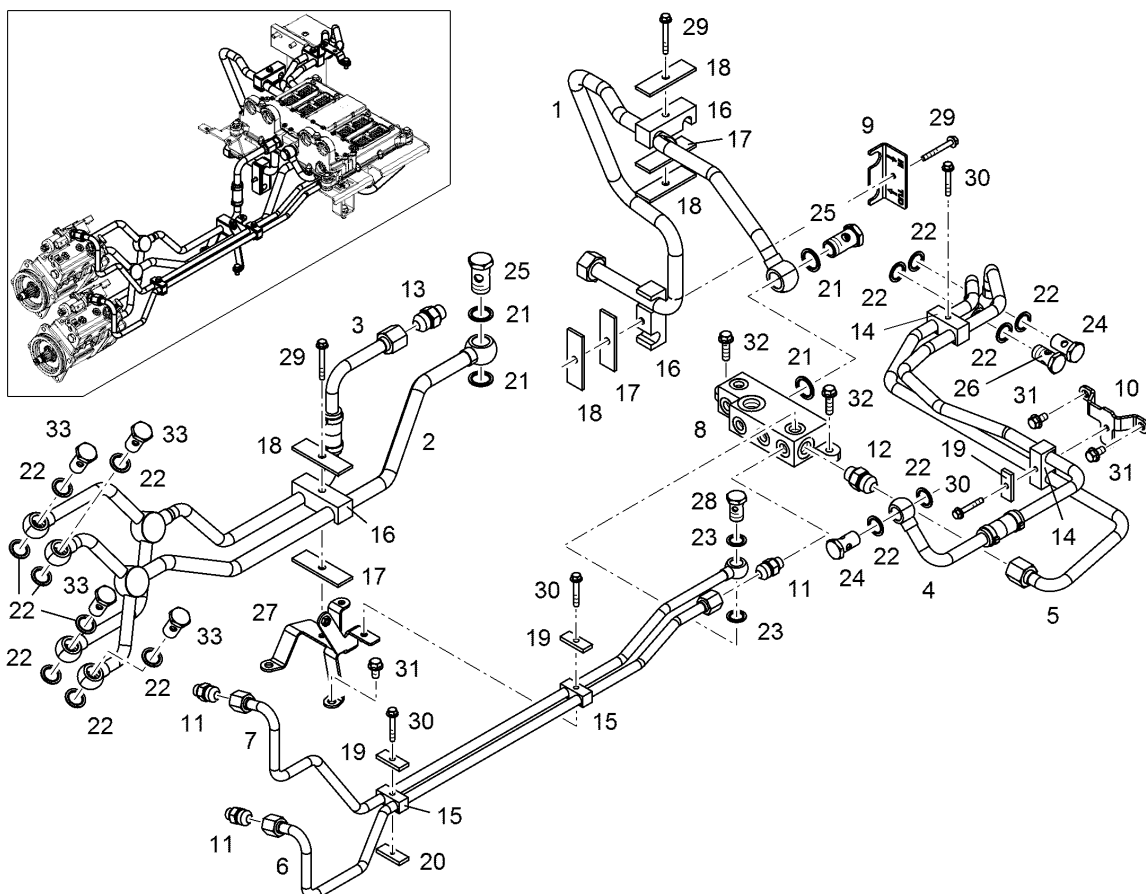
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610226	-	Sheet	3	UN			
18	230610225	-	Sheet	4	UN			
19	230610277	-	Support plate	3	UN			
20	230610278	-	Support plate	1	UN			
21	230610057	-	Sealing ring	4	UN			
22	230610053	-	Sealing ring	14	UN			
23	230610052	-	Sealing ring	2	UN			
24	230610352	-	Hollow screw	2	UN			
25	230610359	-	Hollow screw	2	UN			
26	230610354	-	Hollow screw	1	UN			
27	230610284	-	Holder	1	UN			
28	230610360	-	Hollow screw	1	UN			
29	230610320	-	Hex screw	3	UN			
30	230610313	-	Hex screw	4	UN			
31	230612333	-	Hex screw	3	UN			
32	230610322	-	Hex screw	2	UN			



Fuel lines

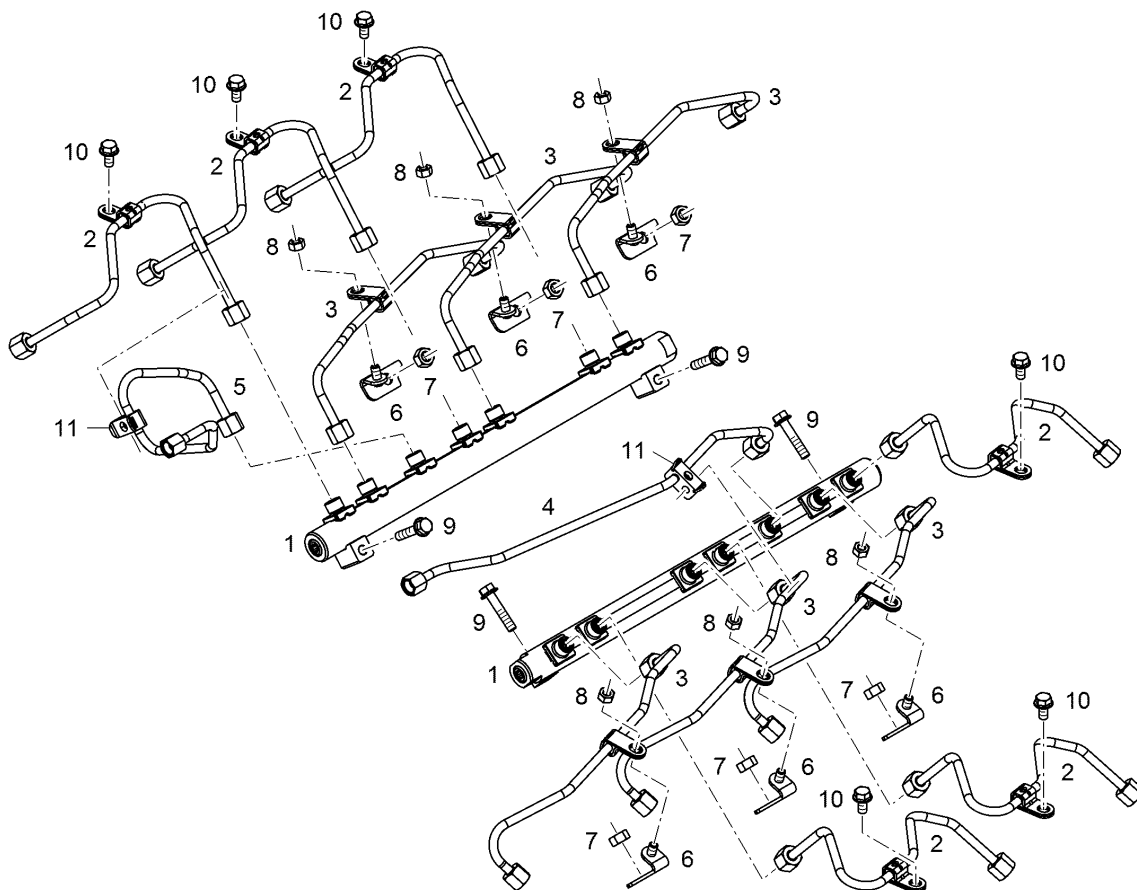
230610854

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
33	230610358	-	Hollow screw	4	UN		



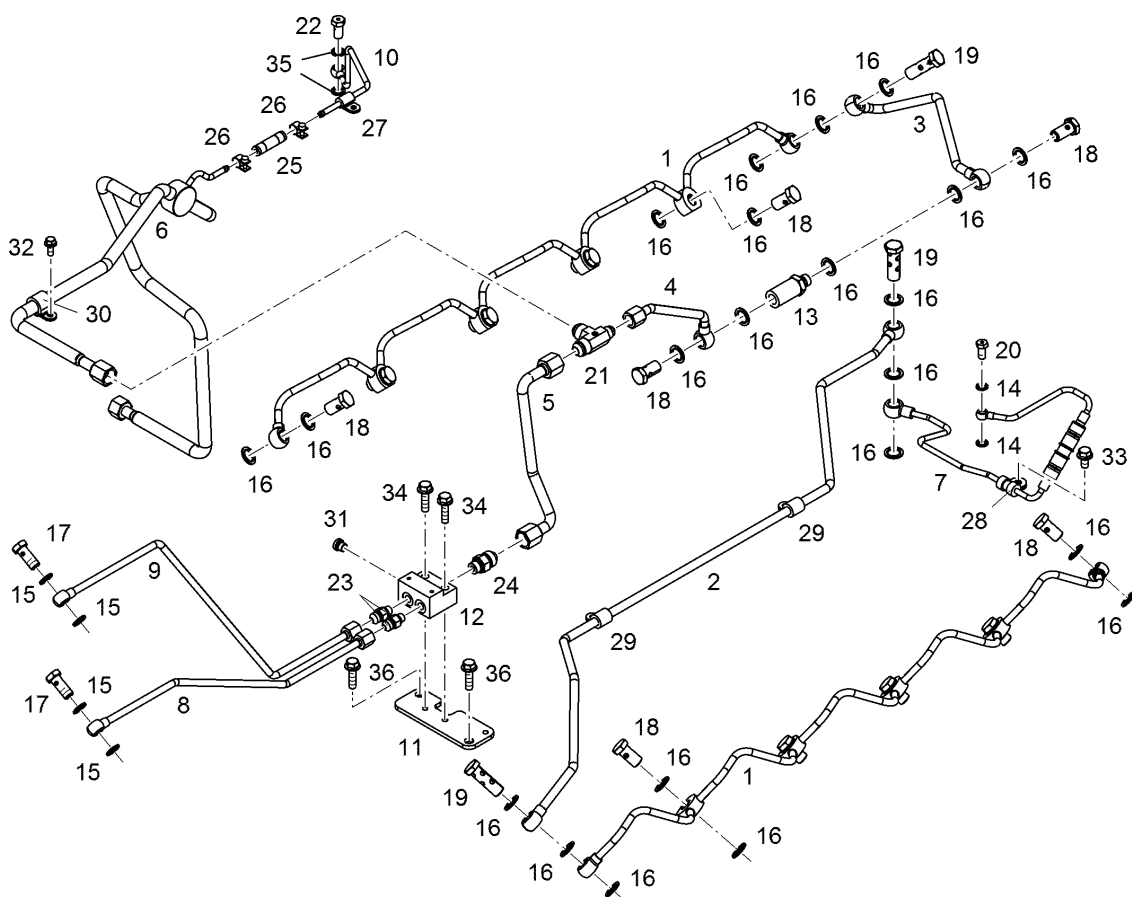
High pressure pipe assembly 230610133

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610255	-	Hight pressure rail	2	UN		
2	230610122	-	Injection line	6	UN		
3	230610123	-	Injection line	6	UN		
4	230610124	-	Injection line	1	UN		
5	230610125	-	Injection line	1	UN		
6	230610280	-	Holder	6	UN		
7	230611951	-	Nut	6	UN		
8	230612778	-	Hex nut	6	UN		
9	230610324	-	Hex screw	4	UN		
10	230612333	-	Hex screw	6	UN		
11	230610093	-	Clamp	2	UN		



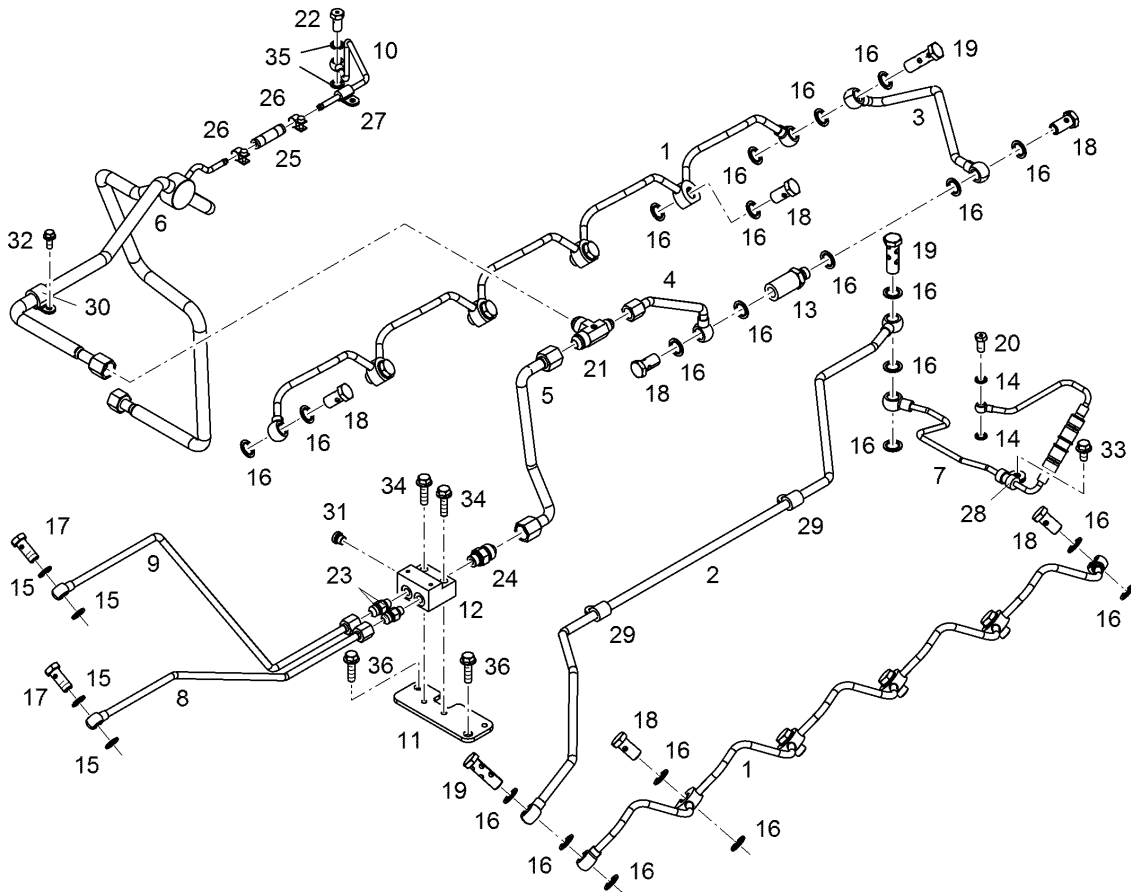
Leak oil line add-on 230610853

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610120	-	Overflow-oil line	2	UN			
2	230610116	-	Overflow-oil line	1	UN			
3	230610118	-	Overflow-oil line	1	UN			
4	230610117	-	Overflow-oil line	1	UN			
5	230610112	-	Overflow-oil line	1	UN			
6	230610121	-	Overflow-oil line	1	UN			
7	230612687	-	Overflow oil line	1	UN			
8	230610115	-	Overflow-oil line	1	UN			
9	230610114	-	Overflow-oil line	1	UN			
10	230610113	-	Overflow-oil line	1	UN			
11	230610283	-	Holder	1	UN			
12	230610061	-	Distributor block	1	UN			
13	230610222	-	Intermediate part	1	UN			
14	230610058	-	Sealing ring	2	UN			
15	230610051	-	Sealing ring	4	UN			
16	230610056	-	Sealing ring	34	UN			



Leak oil line add-on 230610853

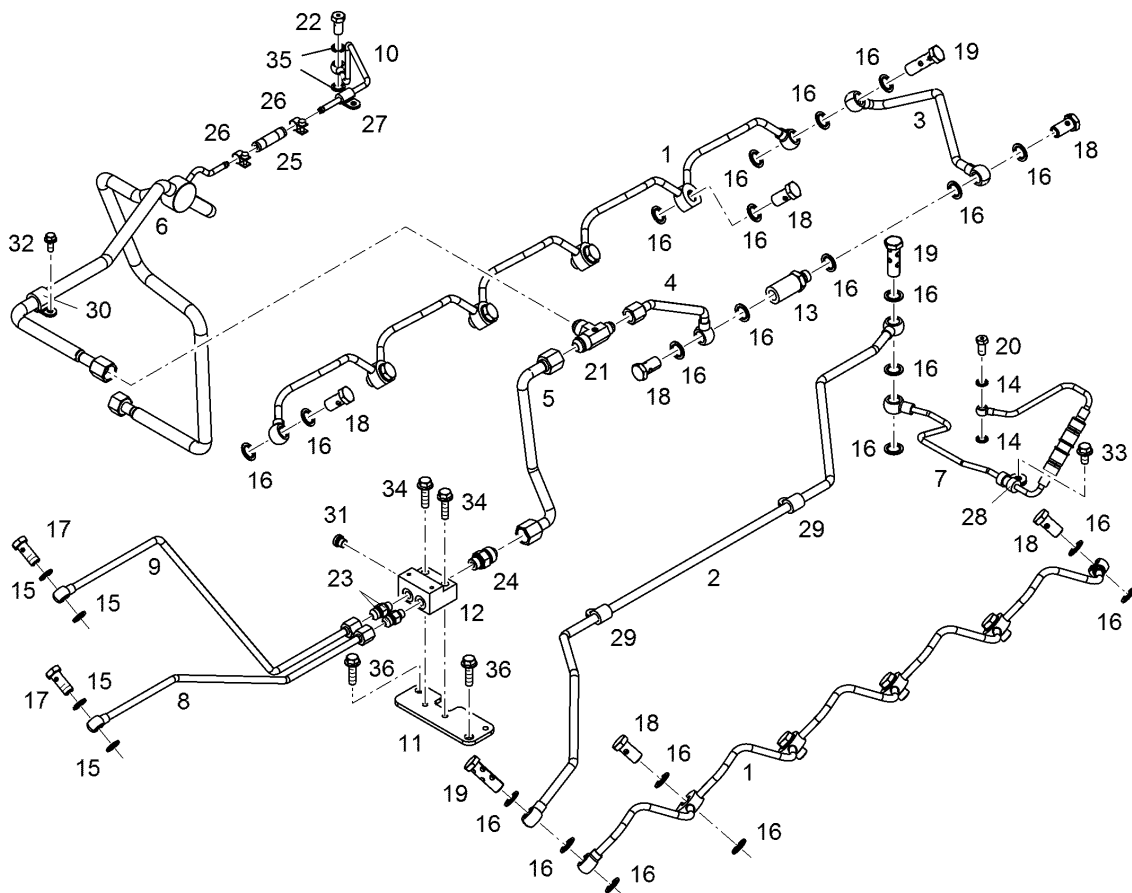
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230610355	-	Hollow screw	2	UN			
18	230612360	-	Hollow screw	12	UN			
19	230610345	-	Double banjo bolt	3	UN			
20	230610357	-	Hollow screw	1	UN			
21	230610249	-	Flange joint	1	UN			
22	230610356	-	Hollow screw	1	UN			
23	230610241	-	Flange joint	2	UN			
24	230610247	-	Flange joint	1	UN			
25	230610212	-	Rubber connection	1	UN			
26	230610083	-	Hose clamp	2	UN			
27	230610090	-	Clamp	1	UN			
28	230610088	-	Clamp	1	UN			
29	230610086	-	Clamp	2	UN			
30	230610091	-	Clamp	1	UN			
31	230610063	-	Screw plug	1	UN			
32	230610312	-	Hex screw	1	UN			



Leak oil line add-on

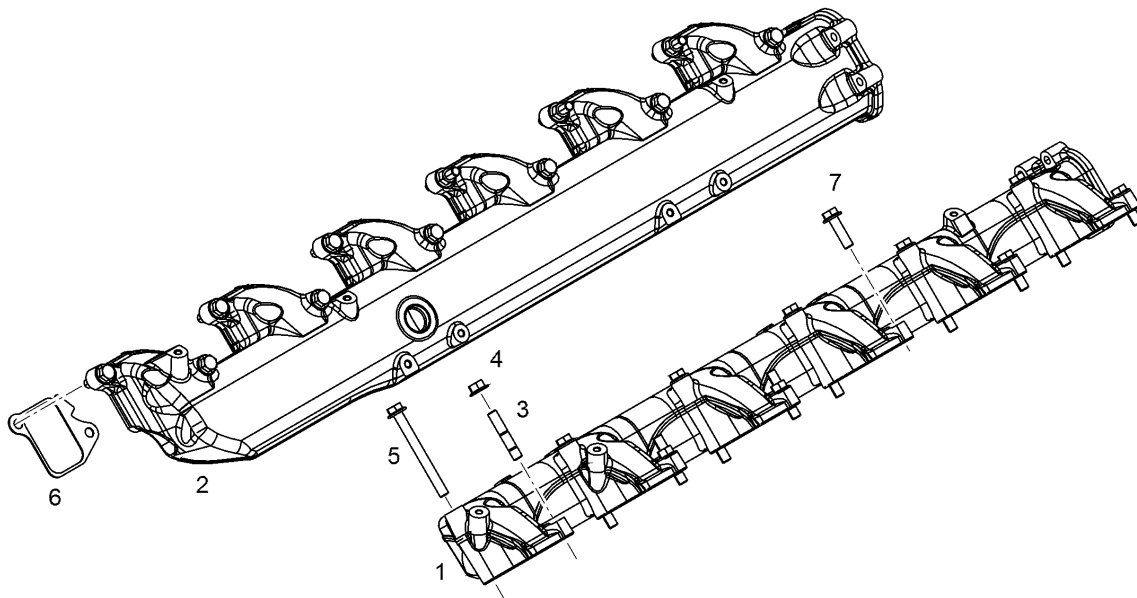
230610853

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
33	230612333	-	Hex screw	1	UN		
34	230612326	-	Hex screw	2	UN		
35	230610055	-	Sealing ring	2	UN		
36	230612325	-	Hex screw	2	UN		



Air intake assembly 230610907

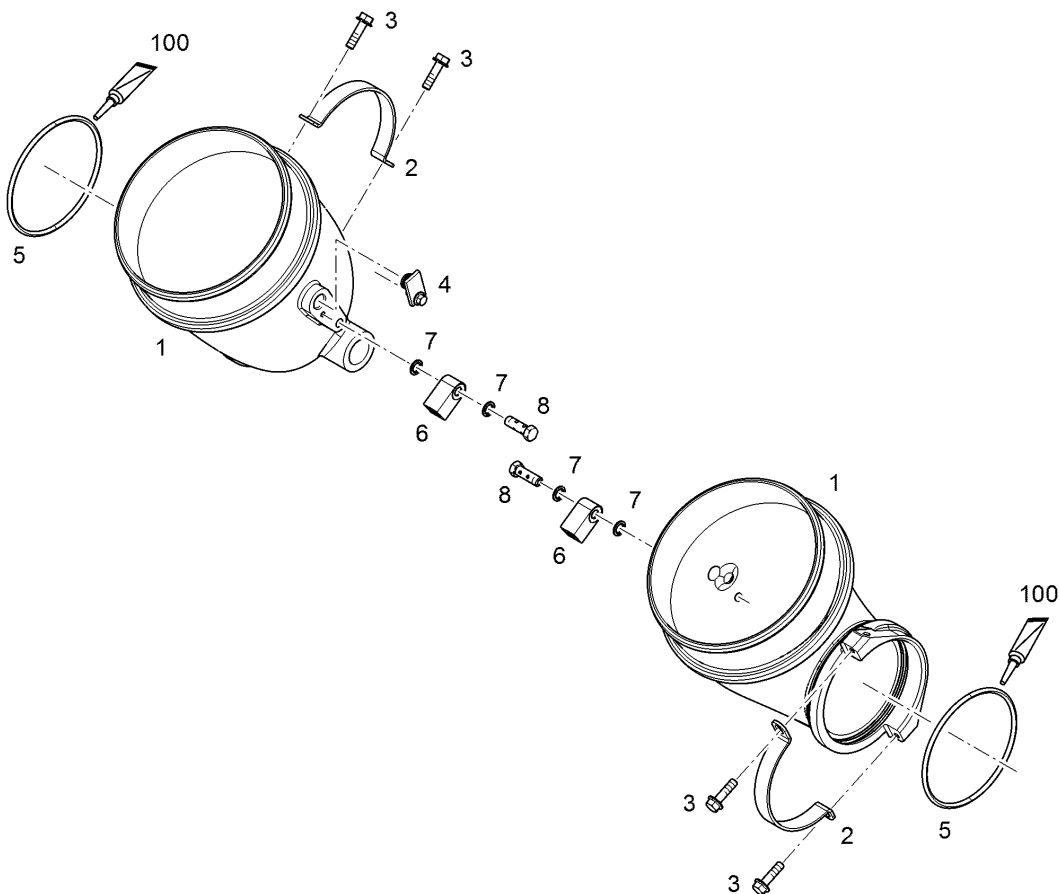
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610045	-	Air intake right	1	UN			
2	230610046	-	Air intake left	1	UN			
3	230611950	-	Double-ended stud	6	UN			
4	230611951	-	Nut	6	UN			
5	230610339	-	Hex screw	12	UN			
6	230610186	-	Seal	12	UN			
7	230611952	-	Hex screw	6	UN			



Intake stack assembly

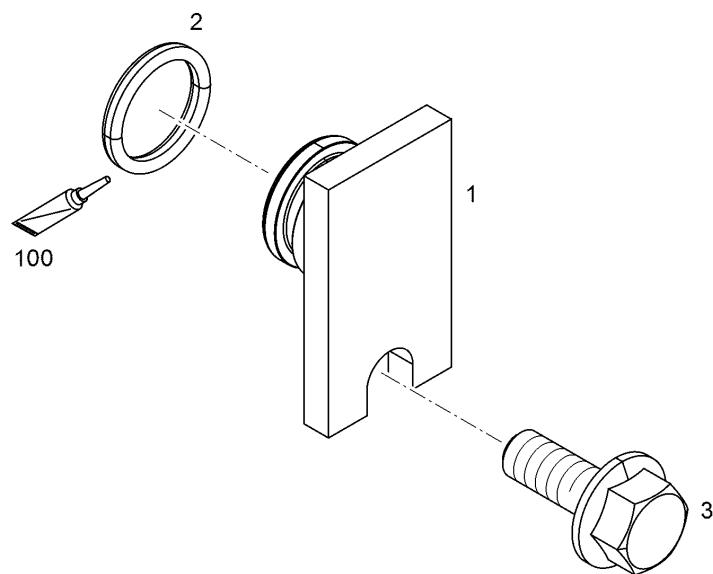
230612781

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610289	-	Intake stack	2	UN			
2	230610157	-	Clamp-half	2	UN			
3	230612326	-	Hex screw	4	UN			
4	230610574	-	Locking pieces	1	UN			68
5	230610209	-	O-ring	2	UN			
6	230612246	-	Connection piece	2	UN			
7	230610055	-	Sealing ring	4	UN			
8	230612276	-	Double banjo bolt	2	UN			
100	230610702	-	Grease	1	UN			9



Locking pieces
230610574

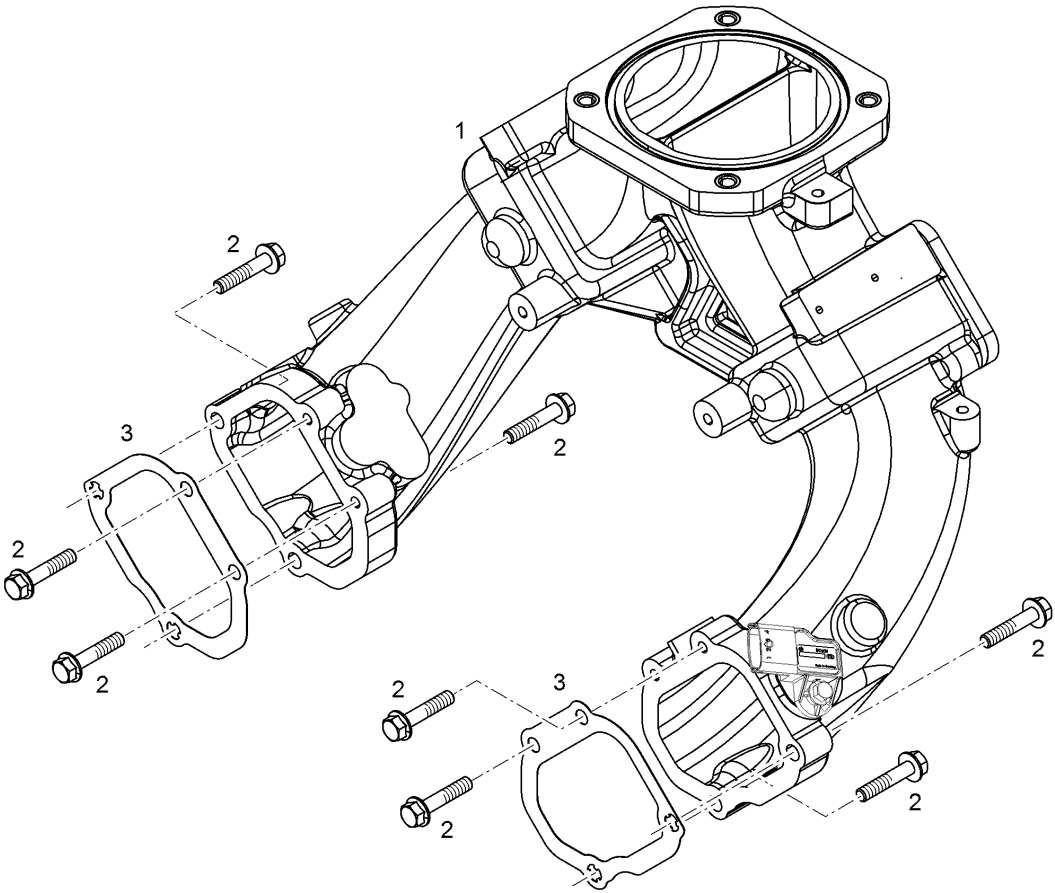
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610151	-	Cover	1	UN		
2	230610199	-	O-ring	1	UN		
3	230612873	-	Hex screw	1	UN		
100	230610702	-	Grease	1	UN		9



Connecting line add-on

230610752

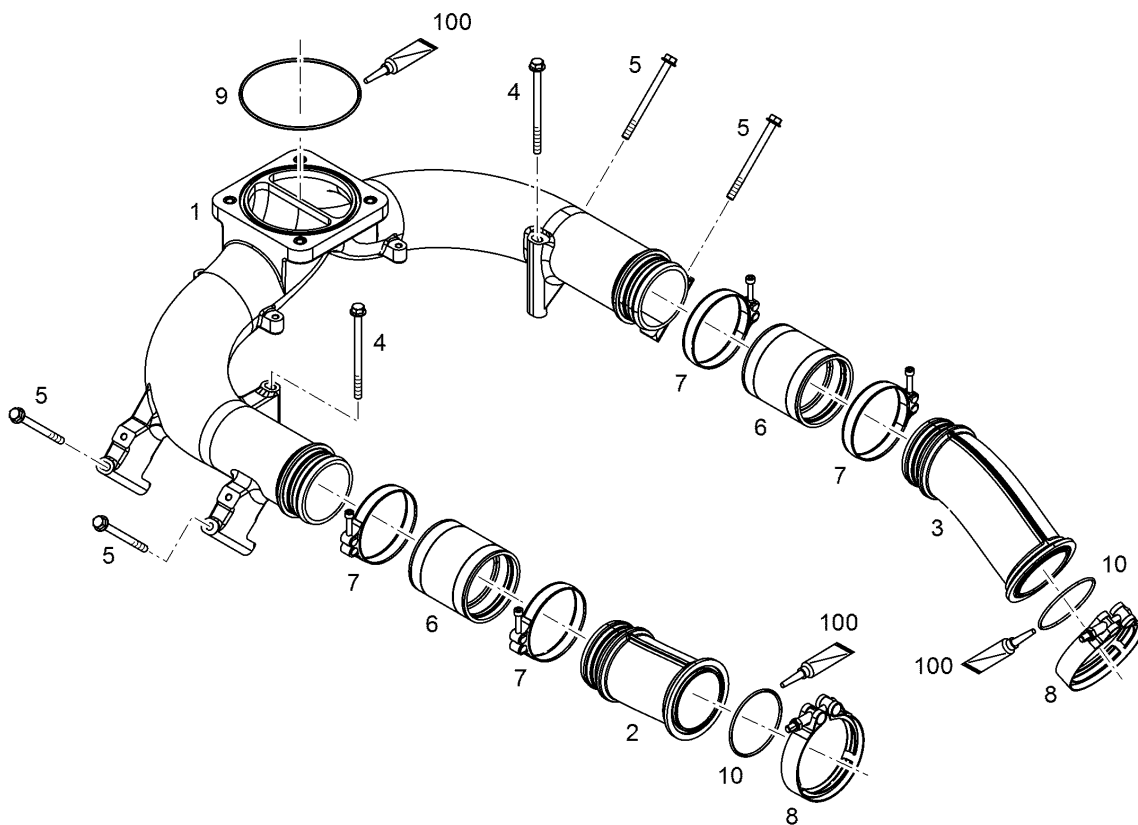
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610740	-	Connecting pipe pre-ass.	1	UN			
2	230610330	-	Hex screw	8	UN			
3	230610188	-	Seal	2	UN			



Charge air line assembly

230610891

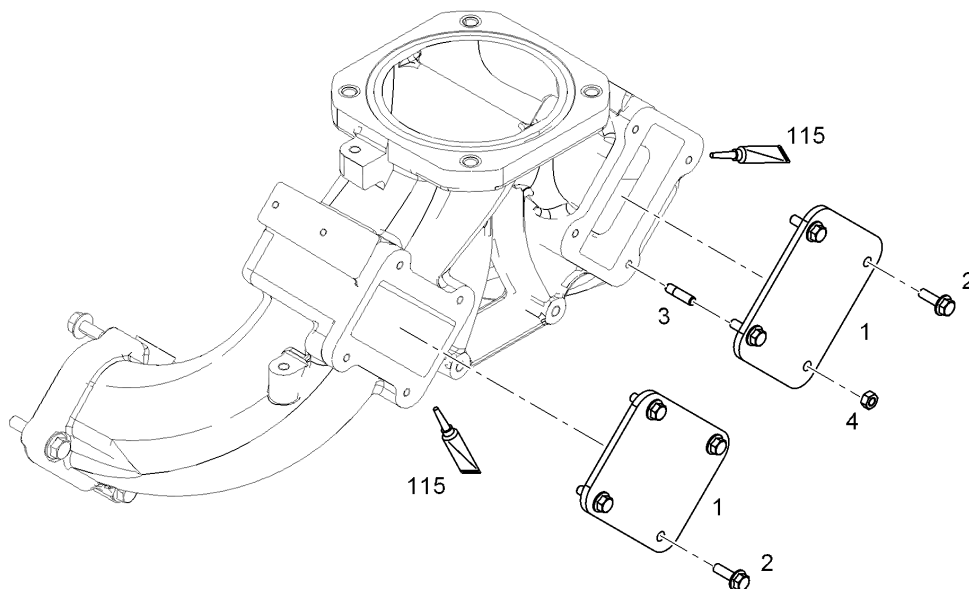
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610104	-	Charge air line pre-ass.	1	UN			
2	230610291	-	Pipe socket left	1	UN			
3	230610290	-	Pipe socket right	1	UN			
4	230610338	-	Hex screw	2	UN			
5	230610335	-	Hex screw	4	UN			
6	230610217	-	Rubber connection	2	UN			
7	230610099	-	Hose clamp	4	UN			
8	230610100	-	Retainer clip	2	UN			
9	230610211	-	O-ring	1	UN			
10	230610202	-	O-ring	2	UN			
100	230610702	-	Grease	1	UN			9



Cover

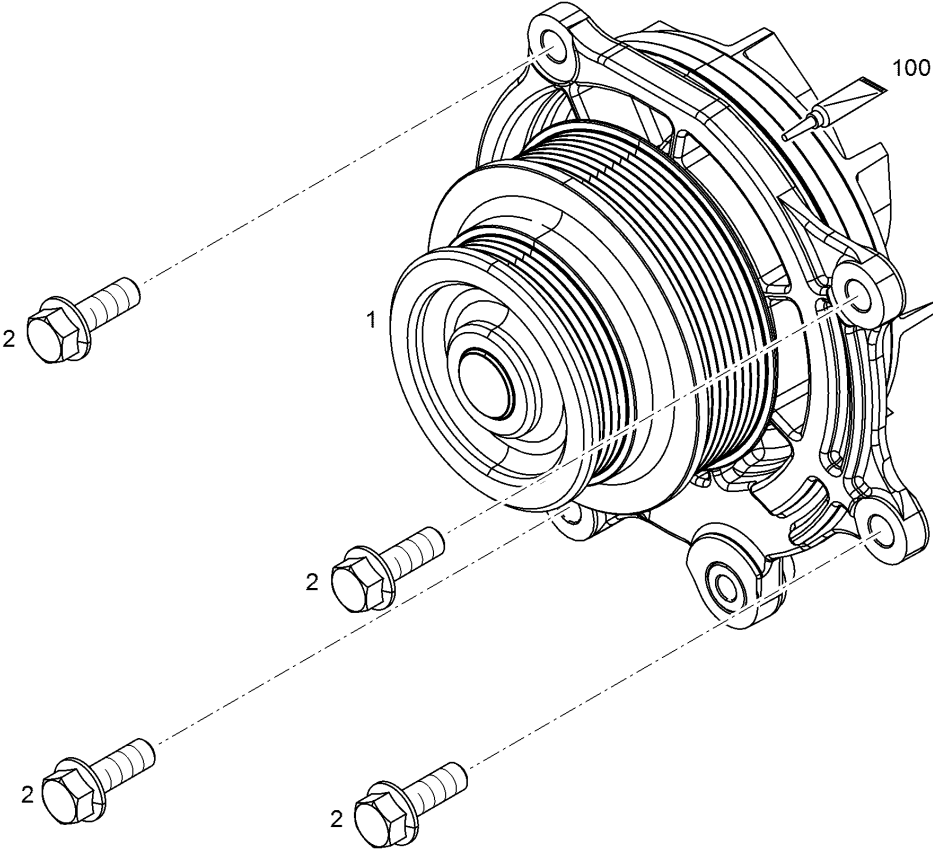
230610595

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610555	-	Cover	2	UN		
2	230610315	-	Hex screw	7	UN		
3	230610396	-	Double-ended stud	1	UN		
4	230610402	-	Hex nut	1	UN		
115	230610710	-	Surface sealing	1	UN		



Water pump with fastening
230610230

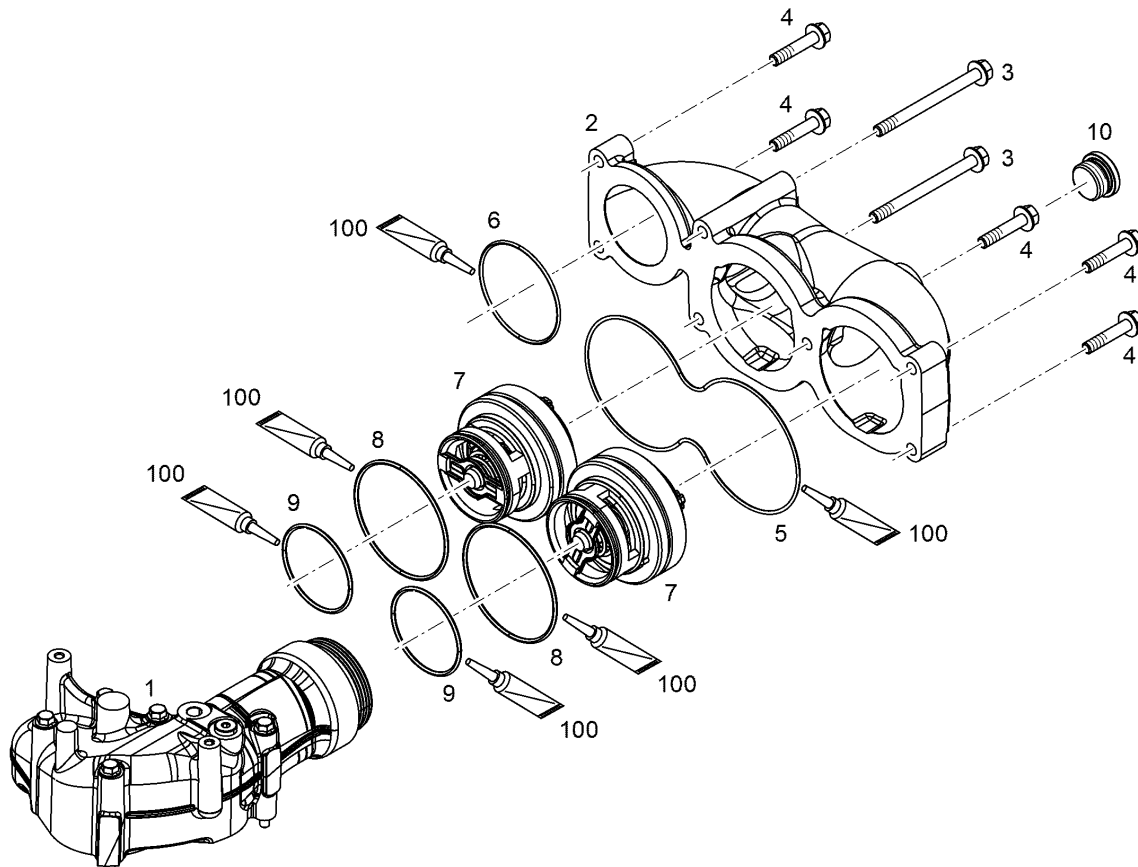
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610894	-	Water pump, pre-assembled	1	UN			
2	230610323	-	Hex screw	4	UN			
100	230610702	-	Grease	1	UN			9



Thermostat housing assembly

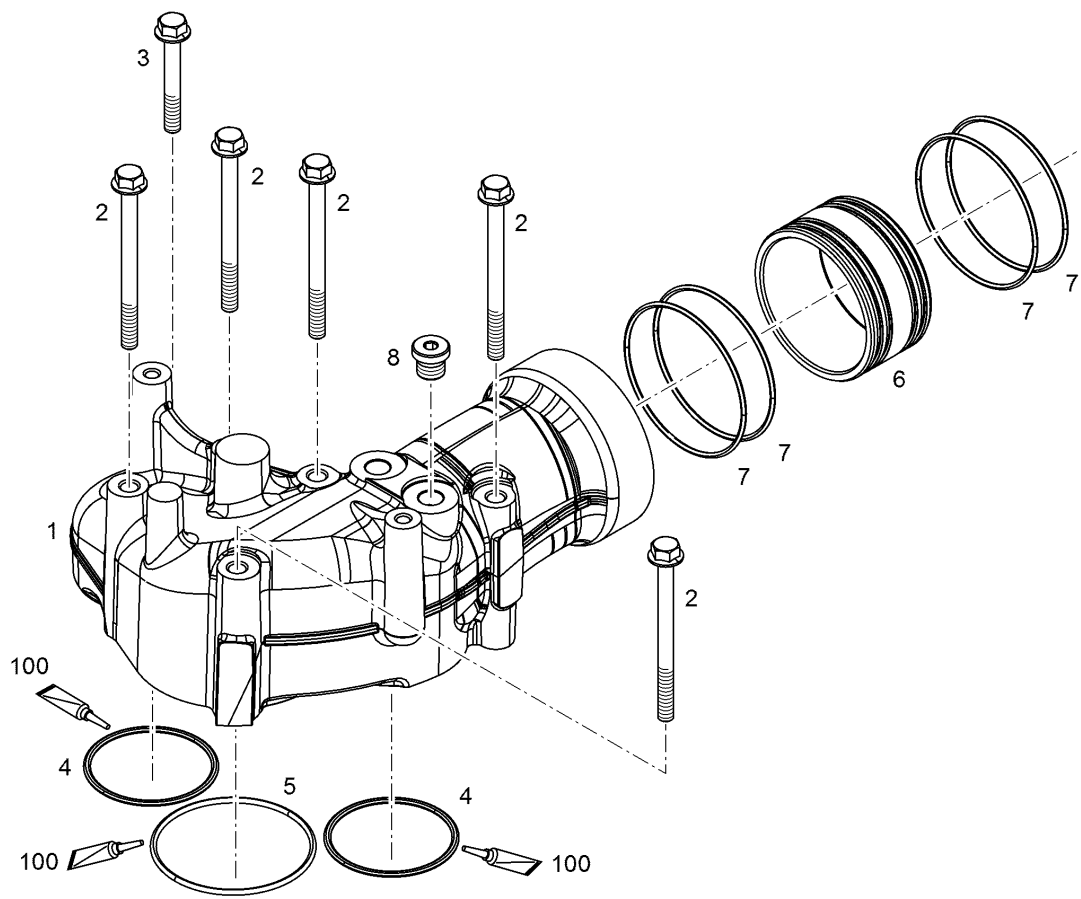
230610925

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610662	-	Thermostat housing pre-ass.	1	UN		74
2	230610141	-	Coolant pipe bend	1	UN		
3	230610340	-	Hex screw	2	UN		
4	230610327	-	Hex screw	5	UN		
5	230610205	-	O-ring	1	UN		
6	230610206	-	O-ring	1	UN		
7	230610286	-	Thermostat	2	UN		
8	230610208	-	O-ring	2	UN		
9	230610200	-	O-ring	2	UN		
10	230610069	-	Screw plug	1	UN		
100	230610702	-	Grease	1	UN		9



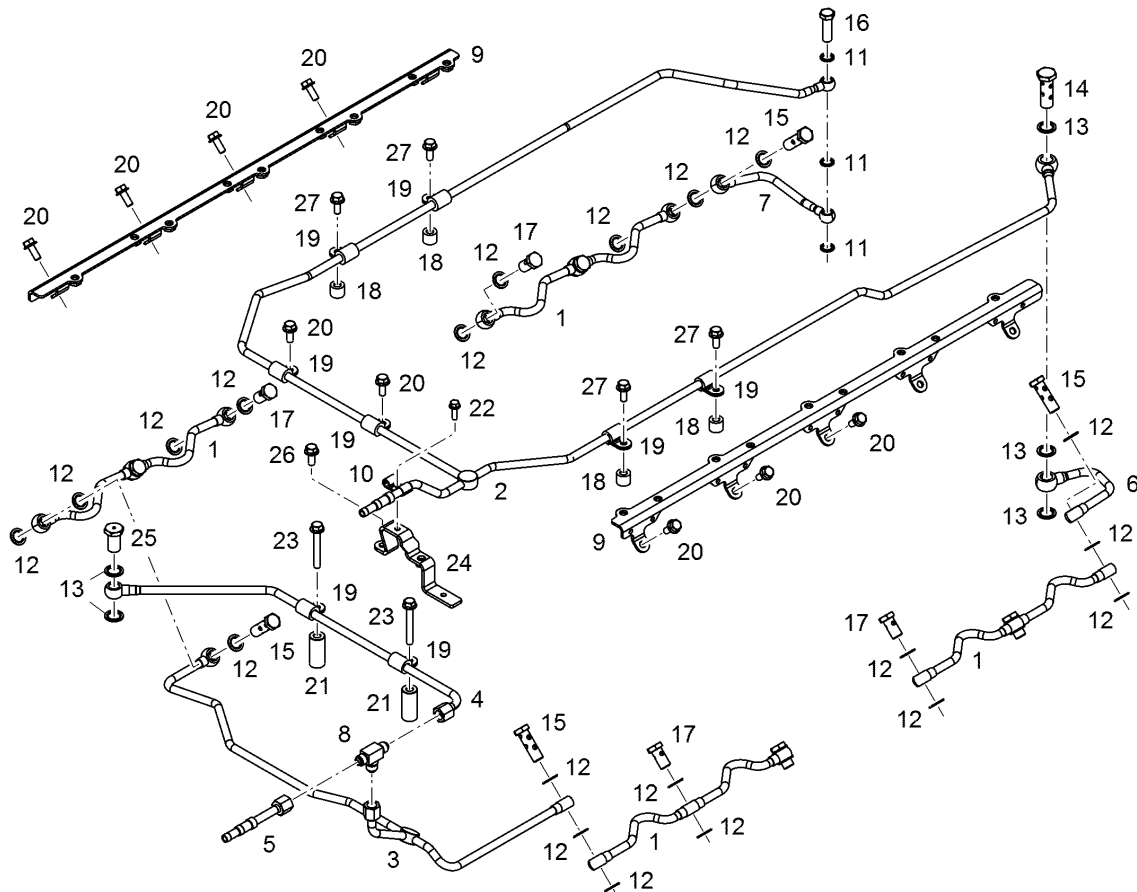
Thermostat housing pre-ass. 230610662

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610661	-	Thermostat housing	1	UN		
2	230610335	-	Hex screw	5	UN		
3	230610329	-	Hex screw	1	UN		
4	230610483	-	O-ring	2	UN		
5	230610202	-	O-ring	1	UN		
6	230610637	-	Tube	1	UN		
7	230610416	-	O-ring	4	UN		
8	230610064	-	Screw plug	1	UN		
100	230610702	-	Grease	1	UN		9



Vent tube assembly 230610893

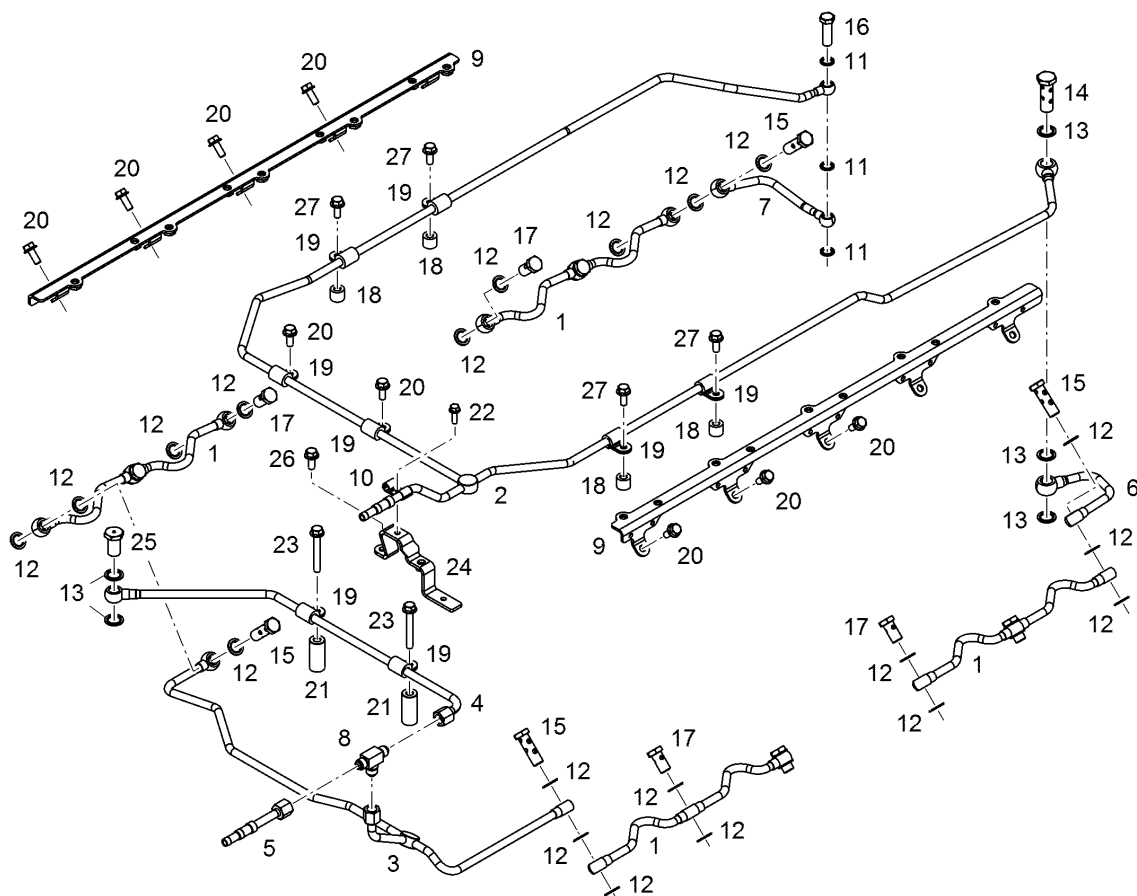
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610130	-	Ventilation line	4	UN			
2	230610132	-	Ventilation line	1	UN			
3	230610131	-	Ventilation line	1	UN			
4	230610128	-	Ventilation line	1	UN			
5	230610129	-	Ventilation line	1	UN			
6	230610127	-	Ventilation line	1	UN			
7	230610126	-	Ventilation line	1	UN			
8	230610248	-	Flange joint	1	UN			
9	230610285	-	Holder	2	UN			
10	230610366	-	Pipe clamp	1	UN			
11	230610051	-	Sealing ring	3	UN			
12	230610056	-	Sealing ring	28	UN			
13	230610052	-	Sealing ring	5	UN			
14	230610346	-	Double banjo bolt	1	UN			
15	230610345	-	Double banjo bolt	4	UN			
16	230610347	-	Double banjo bolt	1	UN			



Vent tube assembly

230610893

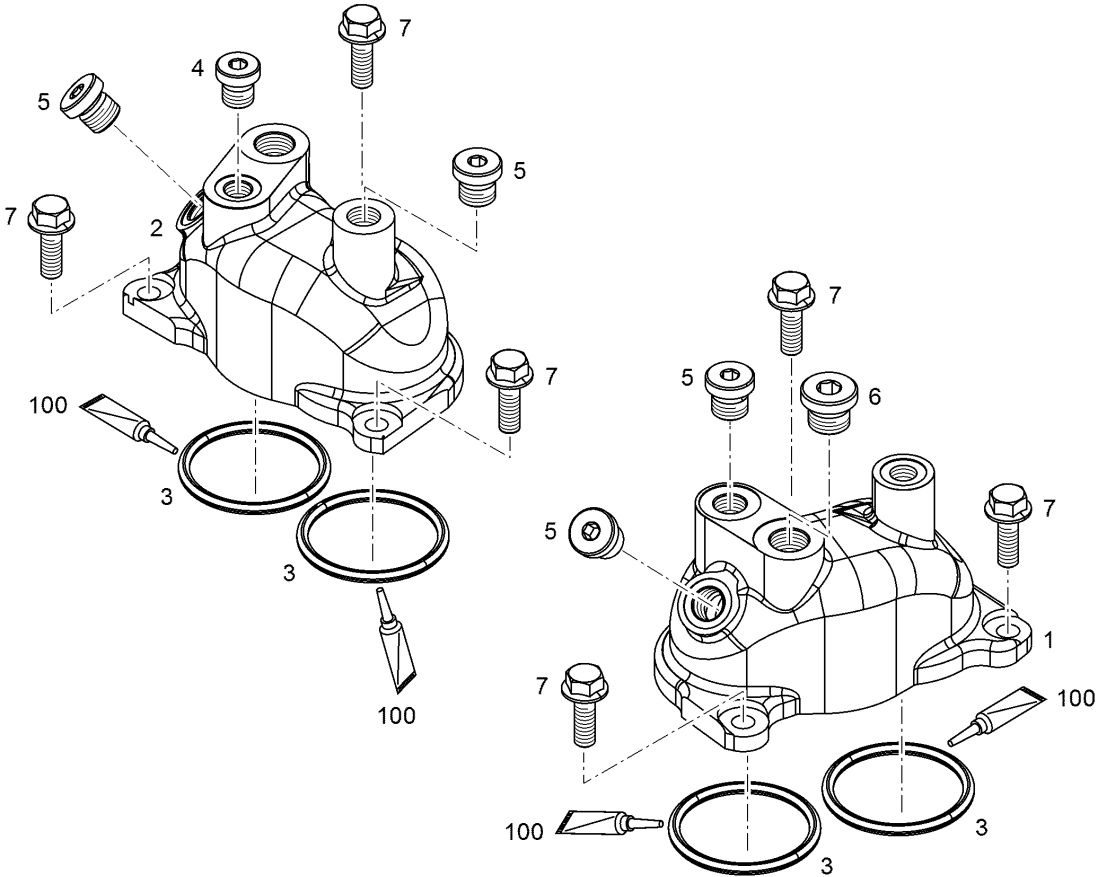
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230612360	-	Hollow screw	8	UN			
18	230610264	-	Washer	4	UN			
19	230610087	-	Clamp	8	UN			
20	230610318	-	Hex screw	9	UN			
21	230610174	-	Spacer piece	2	UN			
22	230611946	-	Screw	1	UN			
23	230610329	-	Hex screw	2	UN			
24	230610281	-	Holder	1	UN			
25	230610361	-	Hollow screw	1	UN			
26	230612333	-	Hex screw	1	UN			
27	230610322	-	Hex screw	4	UN			



Coolant pipe bend add-on

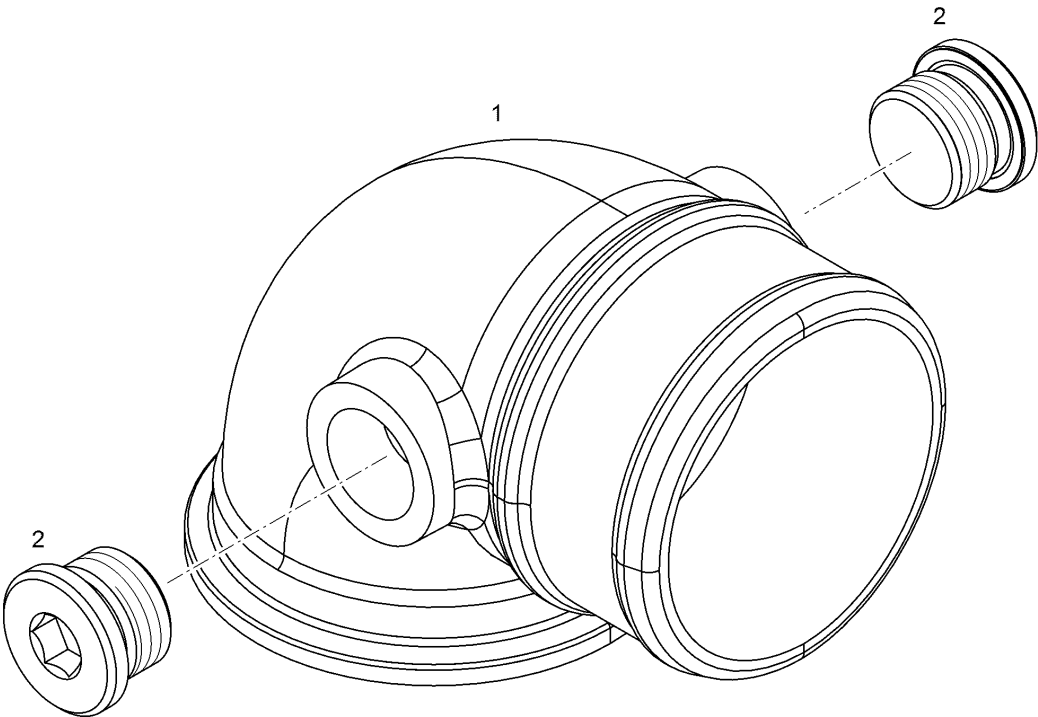
230610550

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610139	-	Coolant pipe bend	1	UN		
2	230610140	-	Coolant pipe bend	1	UN		
3	230610204	-	O-ring	4	UN		
4	230610068	-	Screw plug	1	UN		
5	230610064	-	Screw plug	4	UN		
6	230610065	-	Screw plug	1	UN		
7	230611482	-	Hex screw	6	UN		
100	230610702	-	Grease	1	UN		9



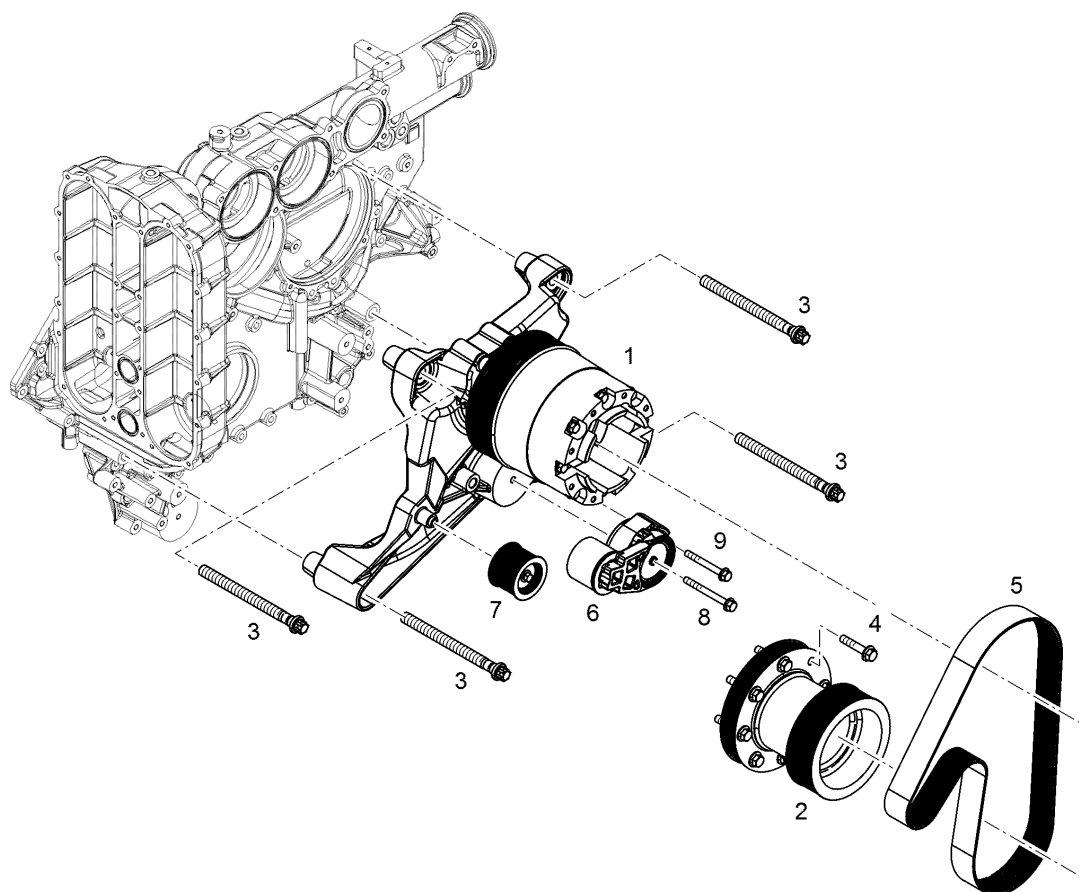
Connection f.water pipe
230610685

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610142	-	Connecting elbow	1	UN		
2	230610066	-	Screw plug	2	UN		



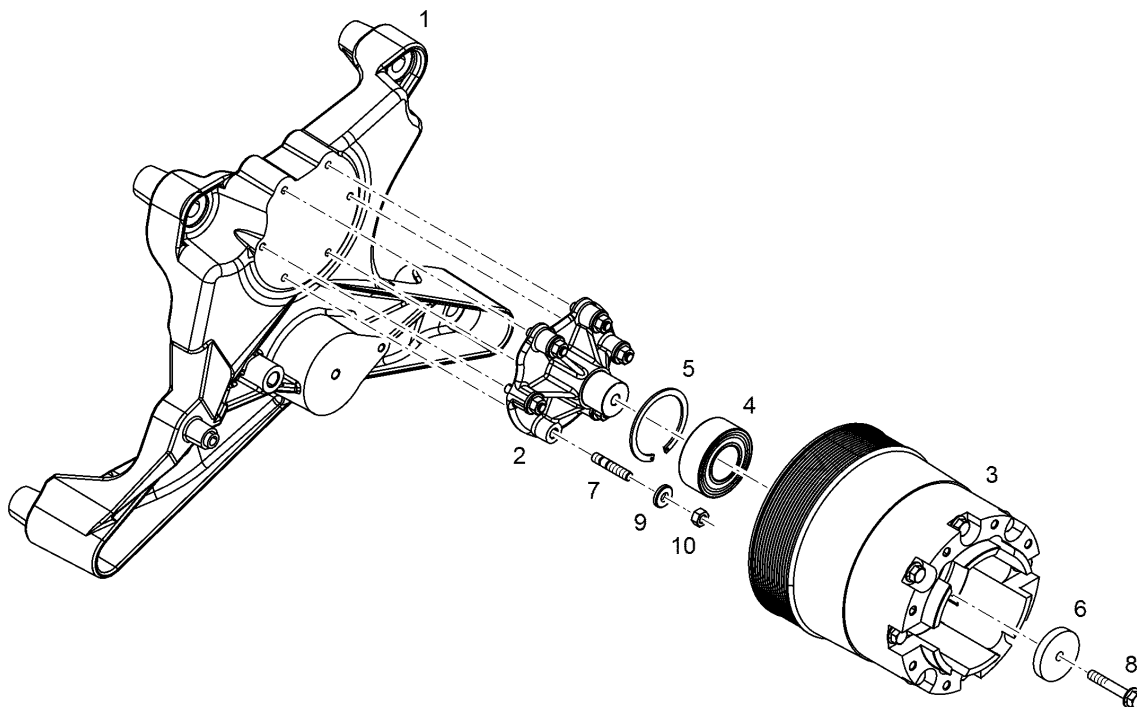
Fan drive assembly 230610900

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610165	-	Fan drive	1	UN		80
2	230610235	-	Belt pulley	1	UN		
3	230610343	-	Hexalobular head screw	4	UN		
4	230610337	-	Hex screw	8	UN		
5	230611947	-	Belt	1	UN		
6	230610159	-	Fastening device	1	UN		
7	230610238	-	Guide pulley compl.	1	UN		
8	230610339	-	Hex screw	1	UN		
9	230610331	-	Hex screw	1	UN		



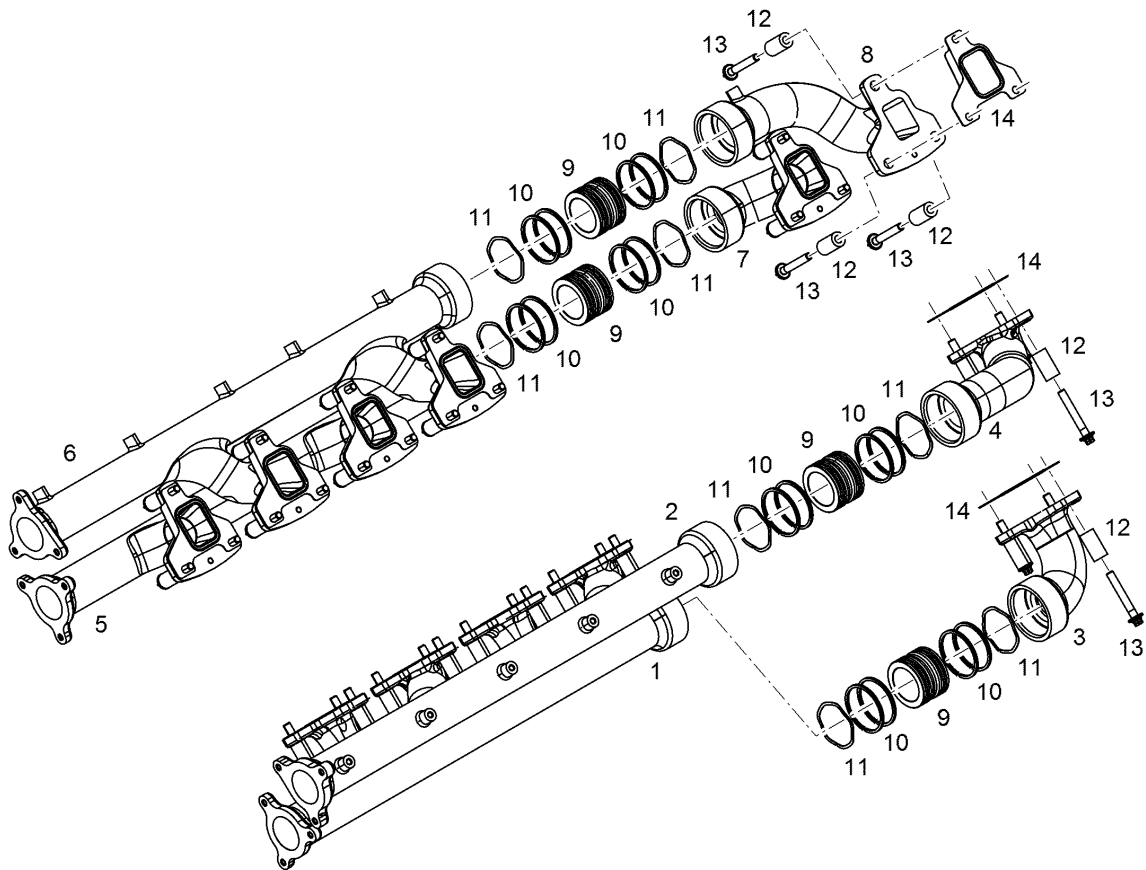
Fan drive 230610165

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610138	-	Console	1	UN		
2	230611948	-	Fan shaft	1	UN		
3	230610365	-	V-belt pulley pre-ass.	1	UN		
4	230610751	-	Steep-angle bearing	1	UN		
5	230610381	-	Locking ring	1	UN		
6	230610553	-	Washer	1	UN		
7	230612775	-	Double ended stud	6	UN		
8	230610467	-	Hex screw	1	UN		
9	230611949	-	Washer	6	UN		
10	230611118	-	Hex nut	6	UN		



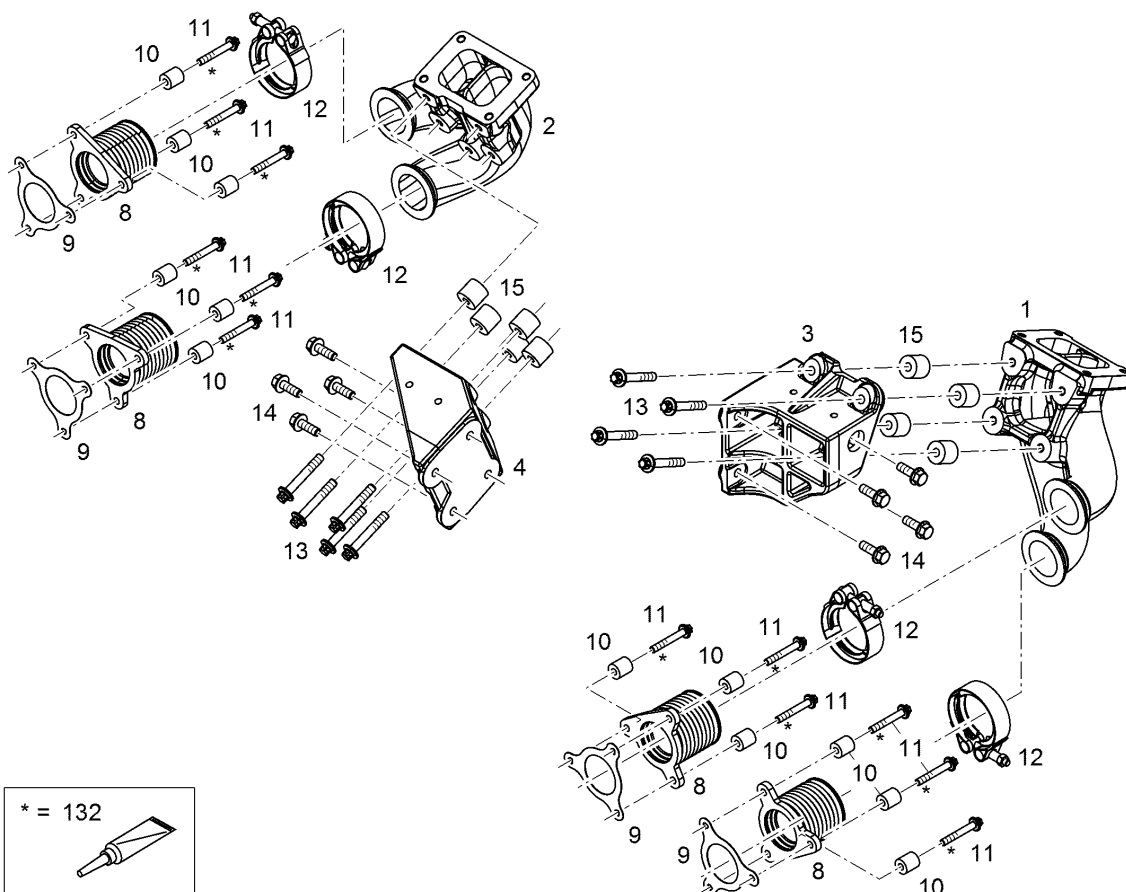
Exhaust pipe assembly 230610681

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610301	-	Exhaust pipe	1	UN		
2	230610300	-	Exhaust pipe	1	UN		
3	230610297	-	Exhaust pipe	1	UN		
4	230610299	-	Exhaust pipe	1	UN		
5	230610302	-	Exhaust pipe	1	UN		
6	230610303	-	Exhaust pipe	1	UN		
7	230610296	-	Exhaust pipe	1	UN		
8	230610298	-	Exhaust pipe	1	UN		
9	230610223	-	Intermediate part	4	UN		
10	230610049	-	Lamellar disk kit	16	UN		
11	230610265	-	Curved spring	8	UN		
12	230610169	-	Distance sleeve	36	UN		
13	230610350	-	Hexalobular head screw	36	UN		
14	230610189	-	Seal	12	UN		



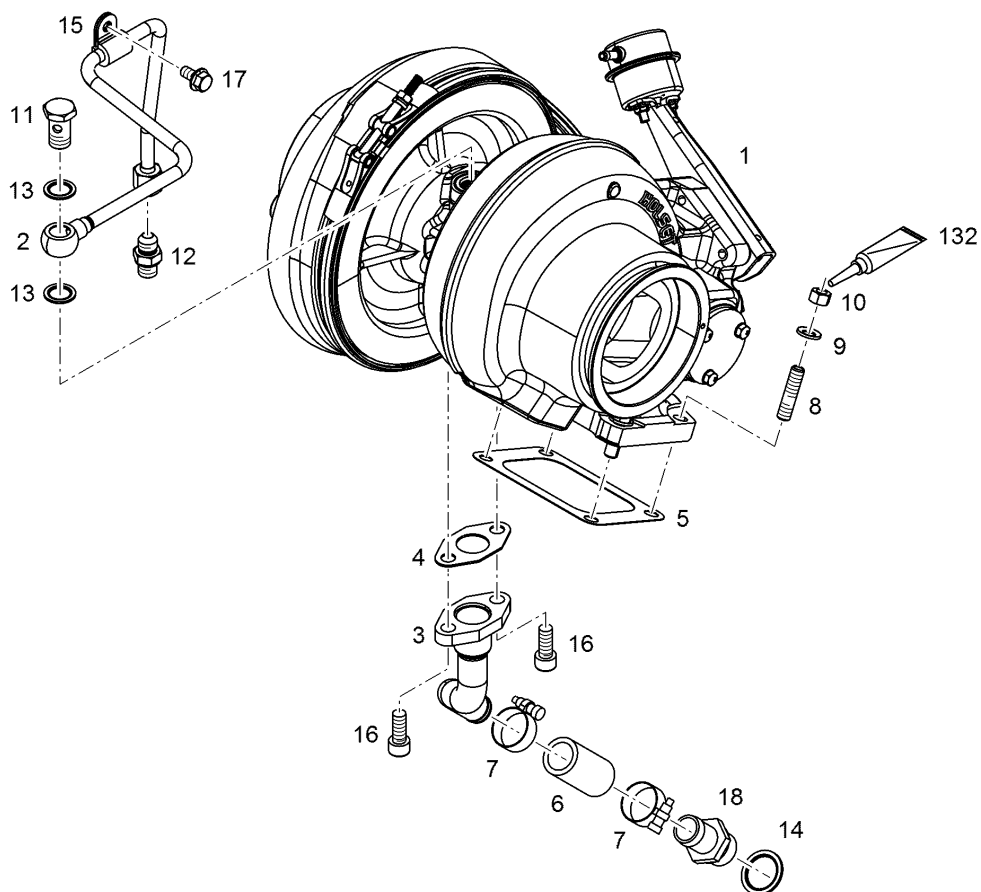
Outlet manifold add-on 230610909

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230611929	-	Exhaust manifold left	1	UN			
2	230611930	-	Exhaust manifold right	1	UN			
3	230610530	-	Holder	1	UN			
4	230610646	-	Holder	1	UN			
8	230610103	-	Compensator	4	UN			
9	230610192	-	Seal	4	UN			
10	230610170	-	Distance sleeve	12	UN			
11	230610341	-	Hexalobular head screw	12	UN			
12	230610101	-	Retainer clip	4	UN			
13	230610344	-	Hexalobular head screw	9	UN			
14	230610331	-	Hex screw	8	UN			
15	230610173	-	Distance sleeve	9	UN			
132	230610456	-	Copper paste	1	UN			



230610294

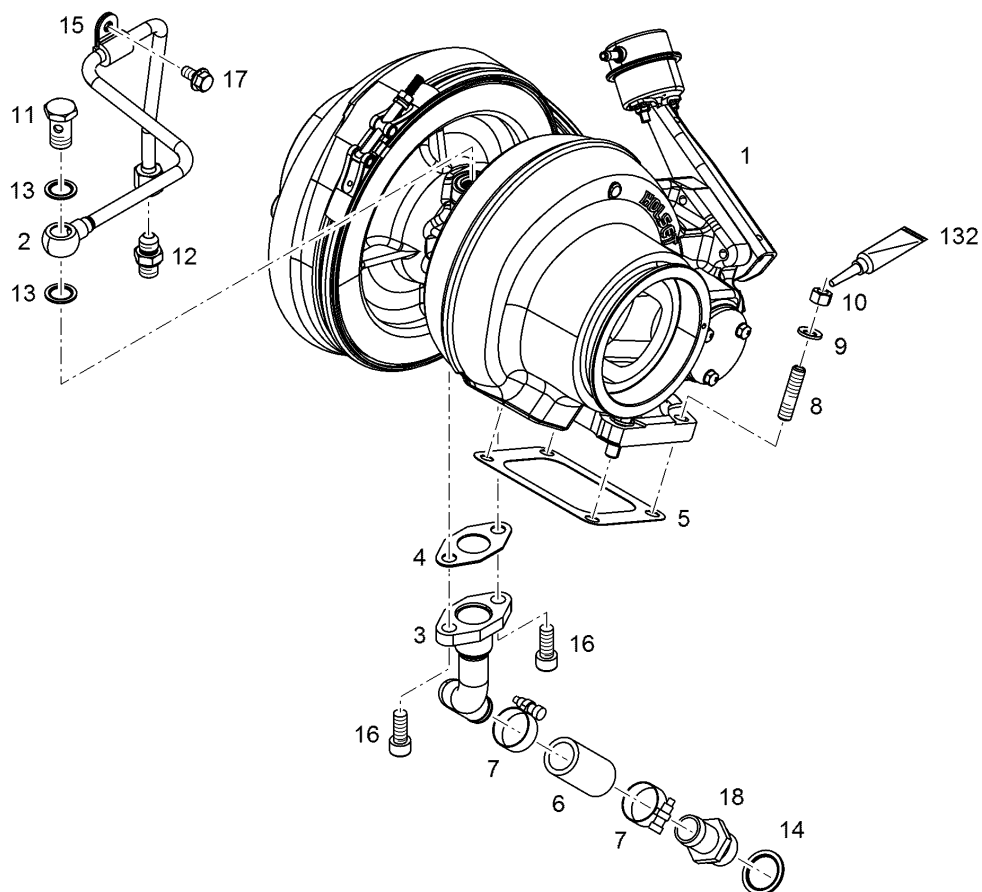
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610827	-	Exhaust gas turbocharger	1	UN		
2	230610134	-	Lubricating oil line	1	UN		
3	230610136	-	Oil return pipe	1	UN		
4	230610187	-	Seal	1	UN		
5	230610193	-	Seal	1	UN		
6	230611926	-	Rubber sleeve	1	UN		
7	230611927	-	Hose clamp	2	UN		
8	230610180	-	Double-ended stud	4	UN		
9	230610263	-	Washer	4	UN		
10	230610163	-	Nut	4	UN		
11	230612361	-	Hollow screw	1	UN		
12	230610243	-	Flange joint	1	UN		
13	230610052	-	Sealing ring	2	UN		
14	230610059	-	Sealing ring	1	UN		
15	230610087	-	Clamp	1	UN		
16	230611928	-	Socket head screw	2	UN		



Exhaust tc mounting

230610294

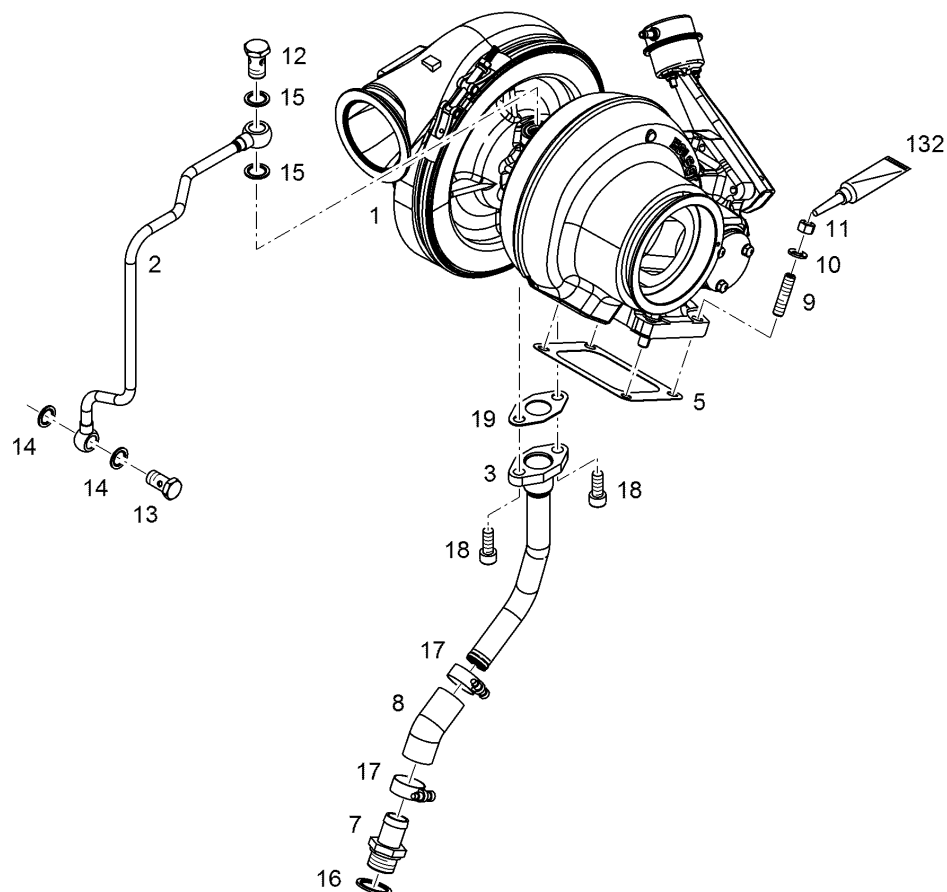
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230612333	-	Hex screw	1	UN			
18	230610253	-	Hose nipple	1	UN			
132	230610456	-	Copper paste	1	UN			



Exhaust tc mounting

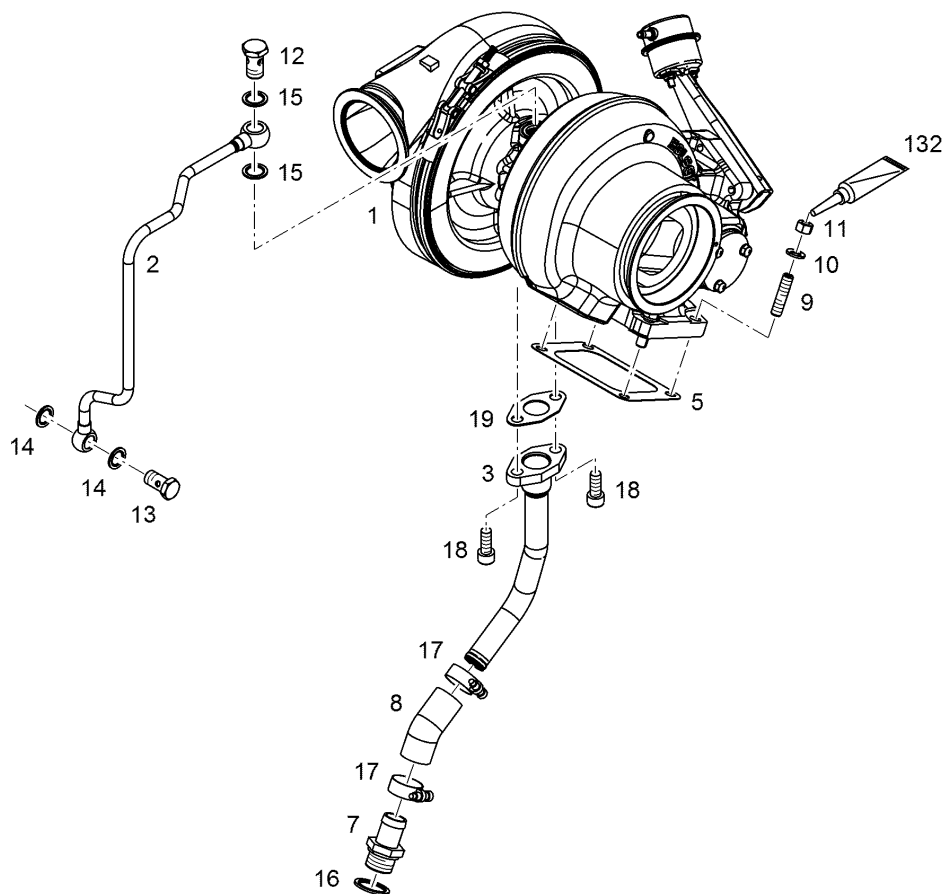
230610295

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610828	-	Exhaust gas turbocharger	1	UN			
2	230610135	-	Lubricating oil line	1	UN			
3	230610137	-	Oil return pipe	1	UN			
5	230610193	-	Seal	1	UN			
7	230610253	-	Hose nipple	1	UN			
8	230610216	-	Rubber connection	1	UN			
9	230610180	-	Double-ended stud	4	UN			
10	230610263	-	Washer	4	UN			
11	230610163	-	Nut	4	UN			
12	230612361	-	Hollow screw	1	UN			
13	230612360	-	Hollow screw	1	UN			
14	230610056	-	Sealing ring	2	UN			
15	230610052	-	Sealing ring	2	UN			
16	230610059	-	Sealing ring	1	UN			
17	230611927	-	Hose clamp	2	UN			
18	230611928	-	Socket head screw	2	UN			



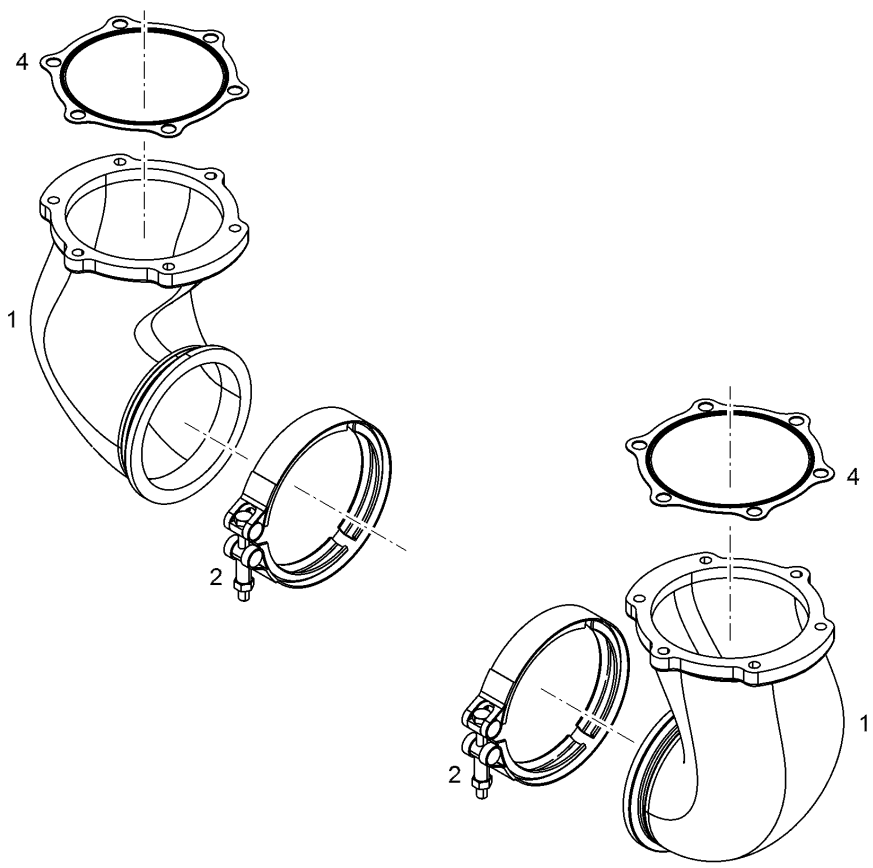
230610295

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
19	230610187	-	Seal	1	UN		
132	230610456	-	Copper paste	1	UN		



Outlet manifold add-on
230610147

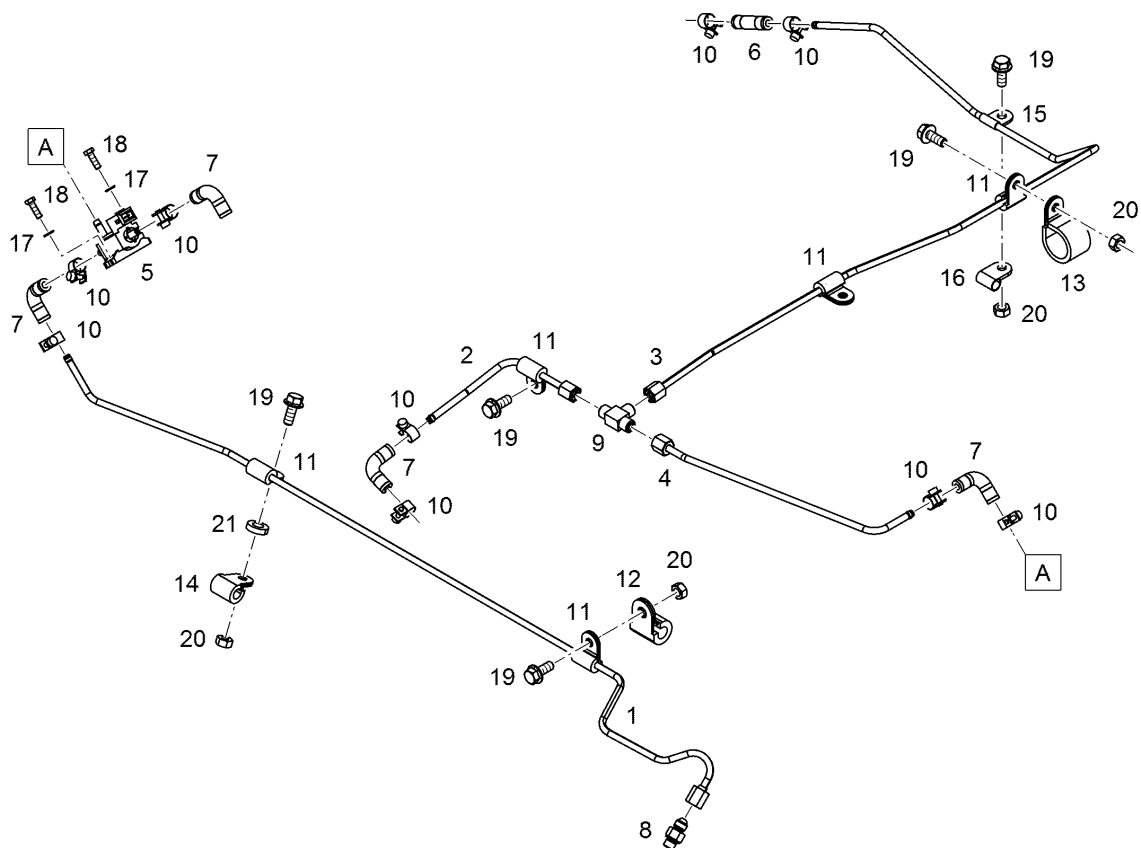
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610838	-	Outlet manifold	2	UN		
2	230610102	-	Retainer clip	2	UN		
4	230610195	-	Seal	2	UN		



Regulation boost pressure

230610774

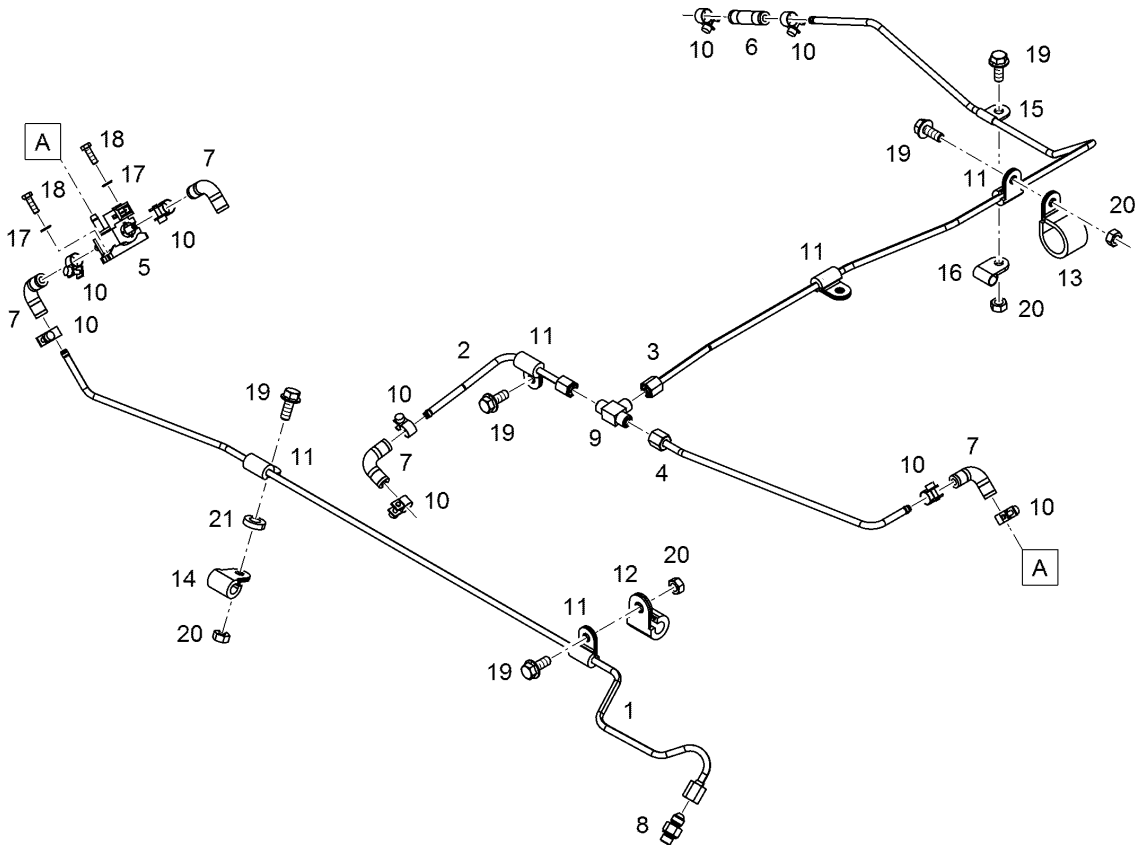
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610304	-	Pipeline	1	UN		
2	230610306	-	Pipeline	1	UN		
3	230610307	-	Pipeline	1	UN		
4	230610305	-	Pipeline	1	UN		
5	230610082	-	Cycle valve	1	UN		
6	230610212	-	Rubber connection	1	UN		
7	230610214	-	Rubber connection	4	UN		
8	230610242	-	Flange joint	1	UN		
9	230610240	-	Flange joint	1	UN		
10	230610083	-	Hose clamp	9	UN		
11	230610088	-	Clamp	5	UN		
12	230610095	-	Clamp	1	UN		
13	230610094	-	Clamp	1	UN		
14	230610087	-	Clamp	1	UN		
15	230610096	-	Clamp	1	UN		
16	230610084	-	Clamp	1	UN		



Regulation boost pressure

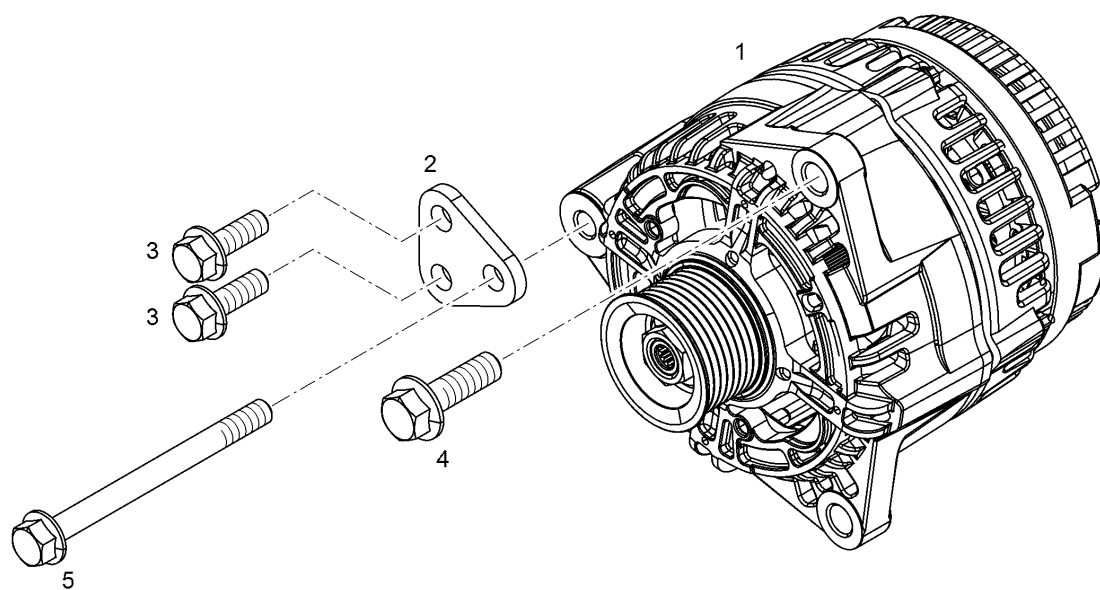
230610774

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
17	230612771	-	Washer	2	UN			
18	230612454	-	Screw	2	UN			
19	230611470	-	Hex screw	5	UN			
20	230612312	-	Hex nut	4	UN			
21	230610167	-	Distance sleeve	1	UN			



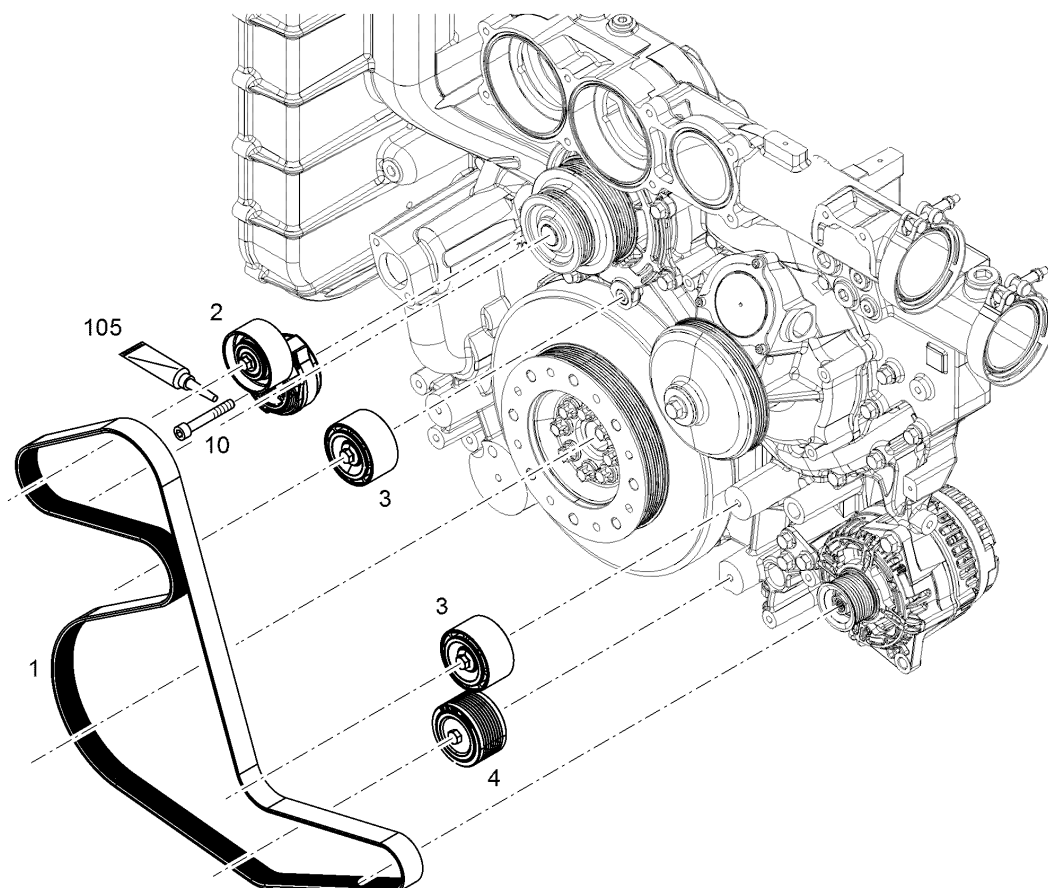
Generator add-on 230610047

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610917	-	Generator, pre-assembled	1	UN		
2	230610279	-	Holder	1	UN		
3	230610323	-	Hex screw	2	UN		
4	230612455	-	Hex screw	1	UN		
5	230610340	-	Hex screw	1	UN		



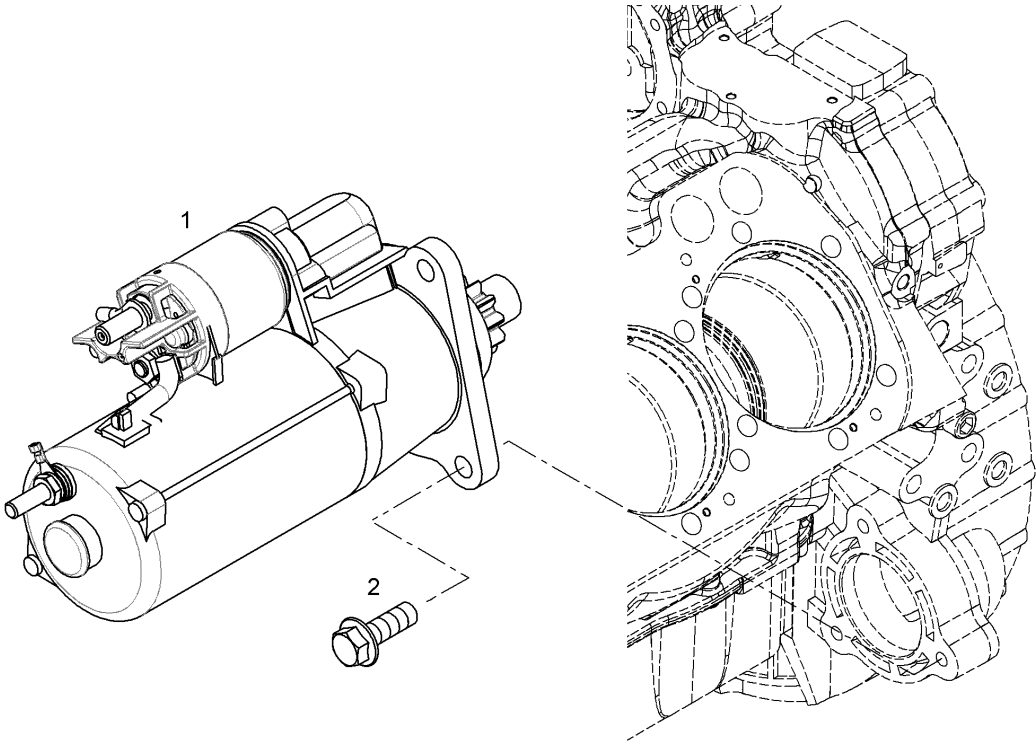
Belt drive 230610659

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610670	-	V-ripped belt	1	UN	10.13.2016	
1	230611924	-	Belt	1	UN	10.14.2016 ->	->
2	230610878	-	Fastening device	1	UN	10.13.2016	
2	230610158	-	Fastening device	1	UN	10.14.2016 ->	->
3	230610236	-	Guide pulley compl.	2	UN		
4	230610237	-	Guide pulley compl.	1	UN		
10	230610438	-	Countersunk screw	1	UN	10.13.2016	
10	230611932	-	Countersunk screw	1	UN	10.14.2016 ->	->
105	230611017	-	Screw locking	1	UN		



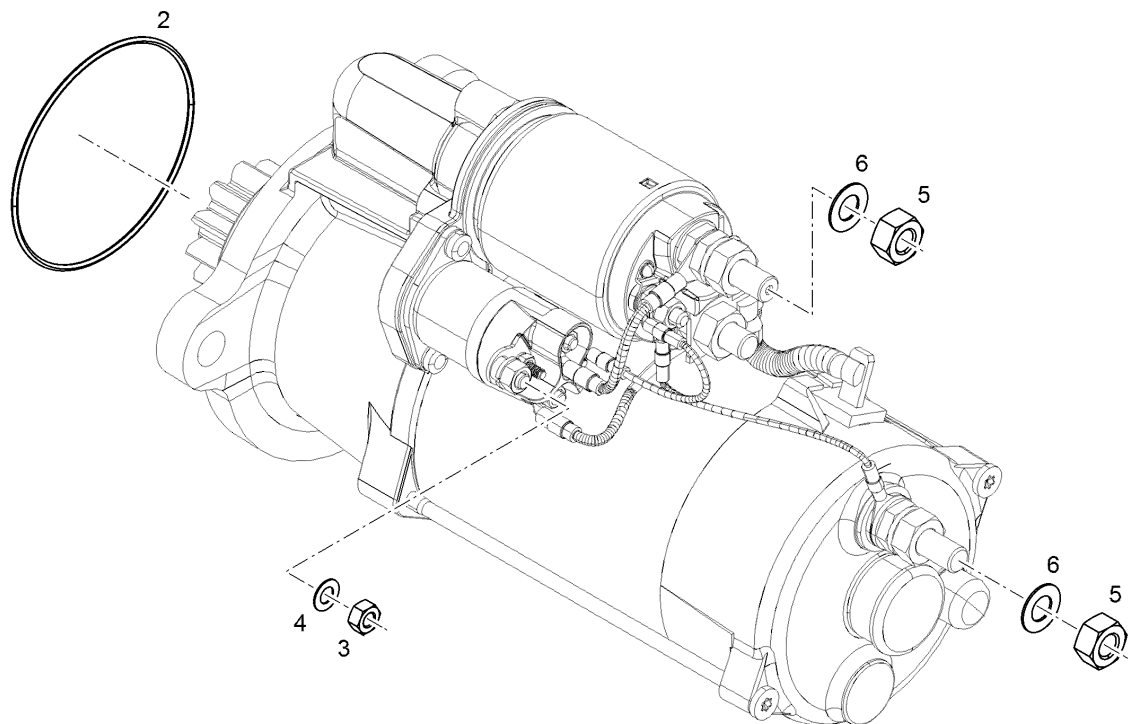
Starter installation
230610156

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610859	-	Starter pre-assy.	1	UN			93
2	230611961	-	Screw	3	UN			



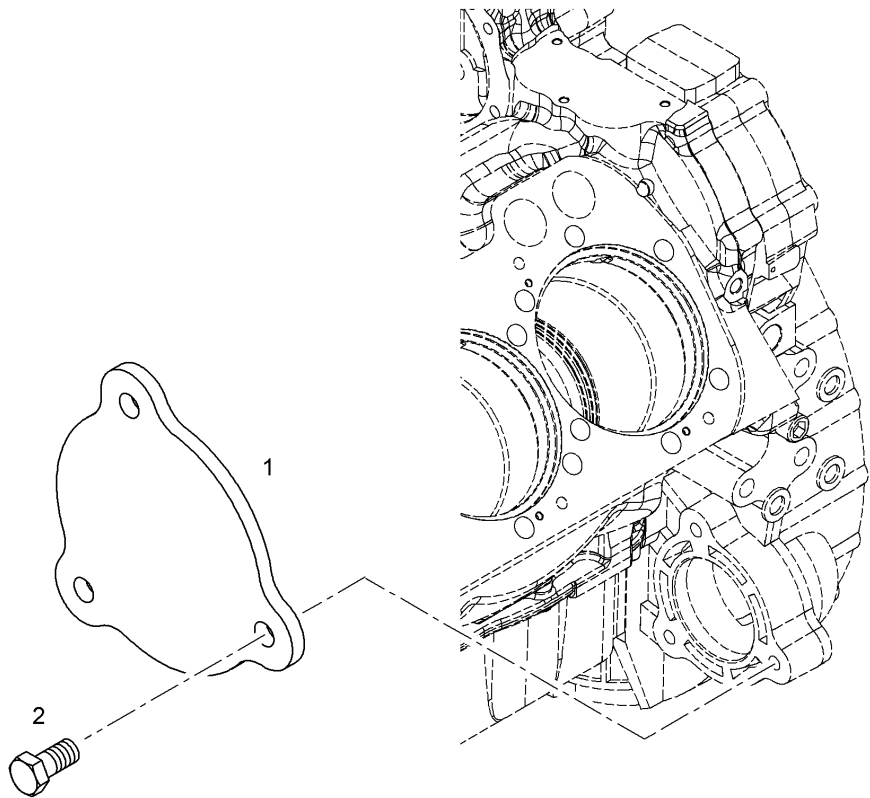
Starter pre-assy.
230610859

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
2	230610701	-	O-ring	1	UN			
3	230610714	-	Hex nut	1	UN			
4	230610712	-	Spring washer	1	UN			
5	230610715	-	Hex nut	2	UN			
6	230610713	-	Spring washer	2	UN			



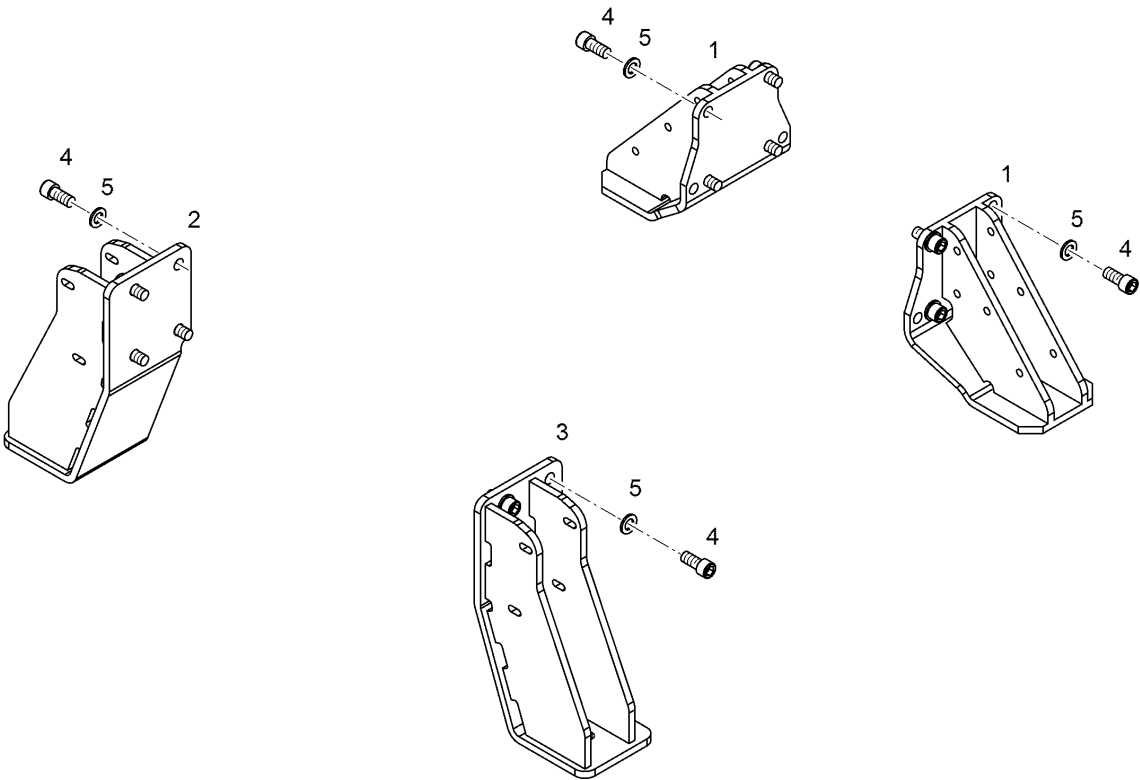
Locking pieces
230610221

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610436	-	Cover	1	UN		
2	230611109	-	Hex screw	3	UN		



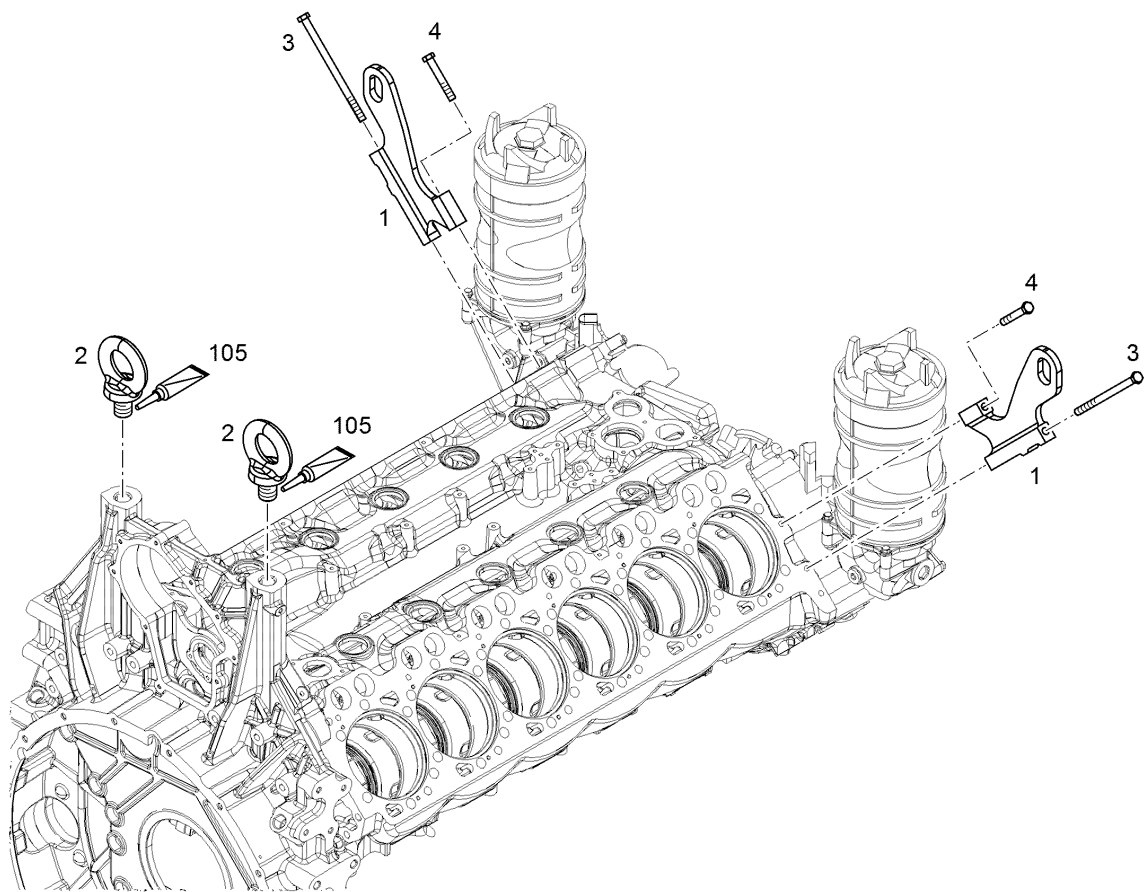
Fastening pieces assembly
230610817

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610818	-	Fixing parts	2	UN			
2	230610819	-	Fixing parts	1	UN			
3	230610834	-	Fixing parts	1	UN			
4	230611940	-	Socket head screw	16	UN			
5	230611012	-	Washer	16	UN			



Lifting device
230610571

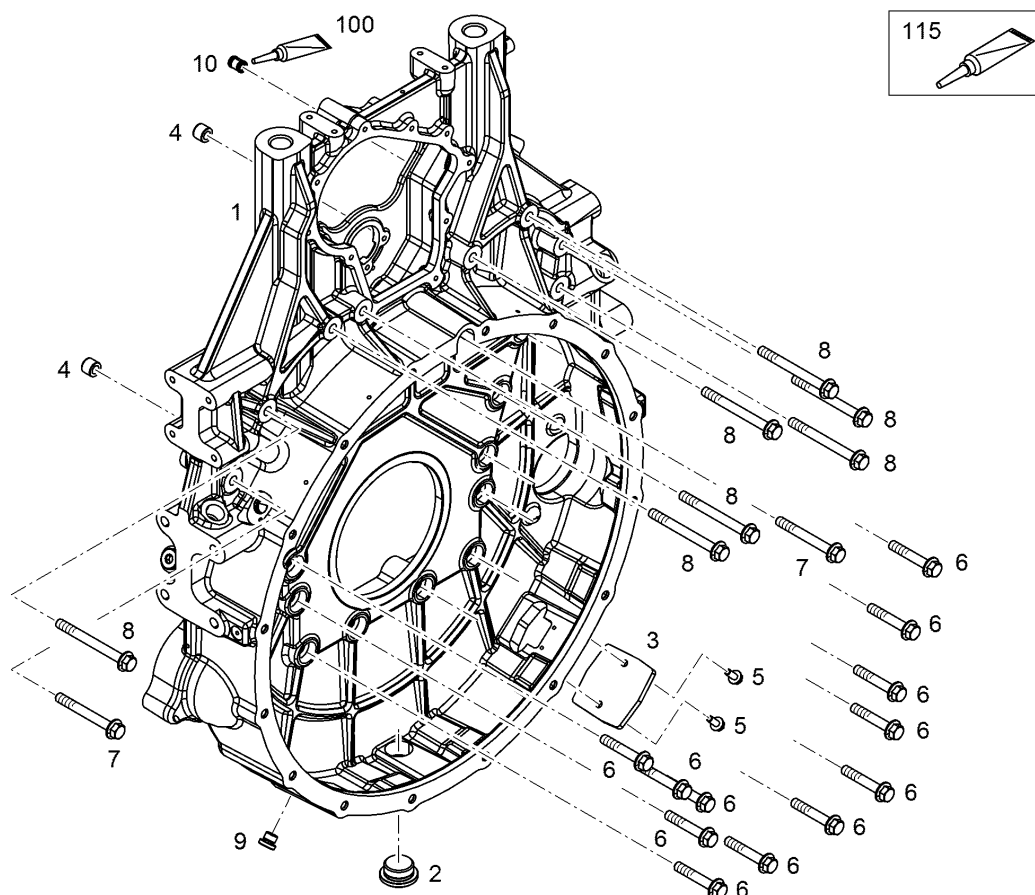
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610519	-	Lifting hook	2	UN			
2	230611011	-	Ring bolt	2	UN			
3	230612779	-	Hex screw	2	UN			
4	230610383	-	Hex screw	2	UN			
105	230611017	-	Screw locking	1	UN			



Flywheel housing mounting

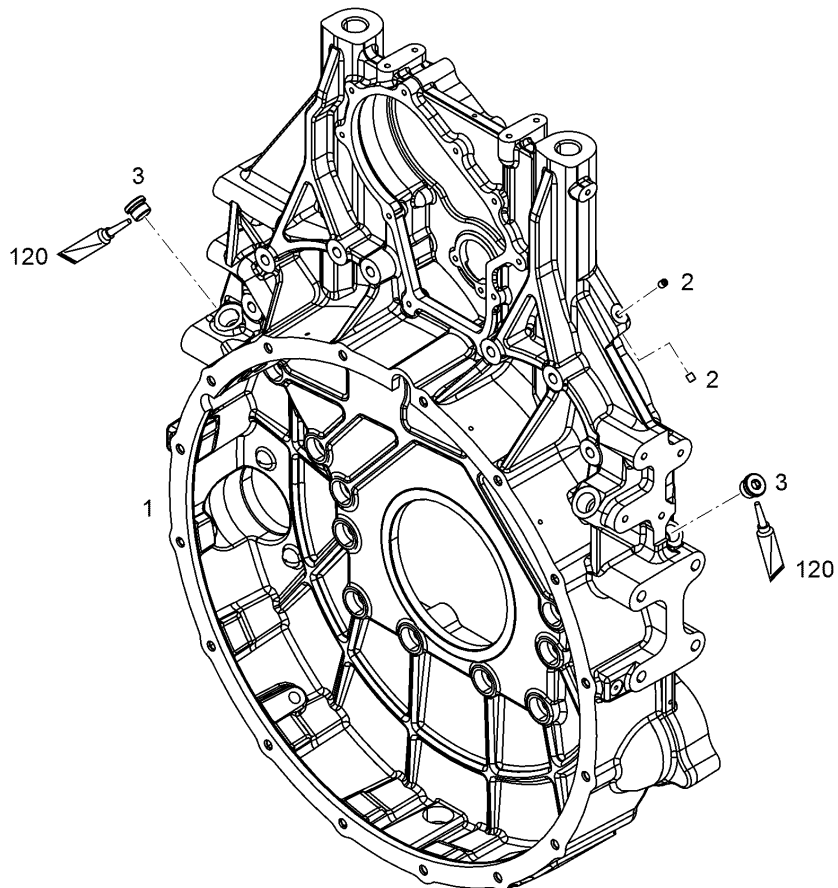
230610889

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610695	-	Flywheel housing pre-ass.	1	UN		98
2	230610070	-	Screw plug	1	UN		
3	230610440	-	Cover	1	UN		
4	230610510	-	Tight fit sleeve	2	UN		
5	230611470	-	Hex screw	2	UN		
6	230610473	-	Hex screw	12	UN		
7	230610474	-	Hex screw	2	UN		
8	230610475	-	Hex screw	7	UN		
9	230610065	-	Screw plug	1	UN		
10	230611945	-	Plug-in pipe	1	UN		
100	230610702	-	Grease	1	UN		9
115	230610710	-	Surface sealing	1	UN		



Flywheel housing pre-ass. 230610695

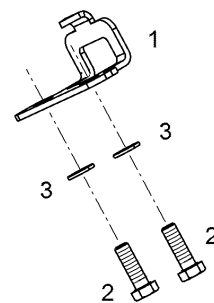
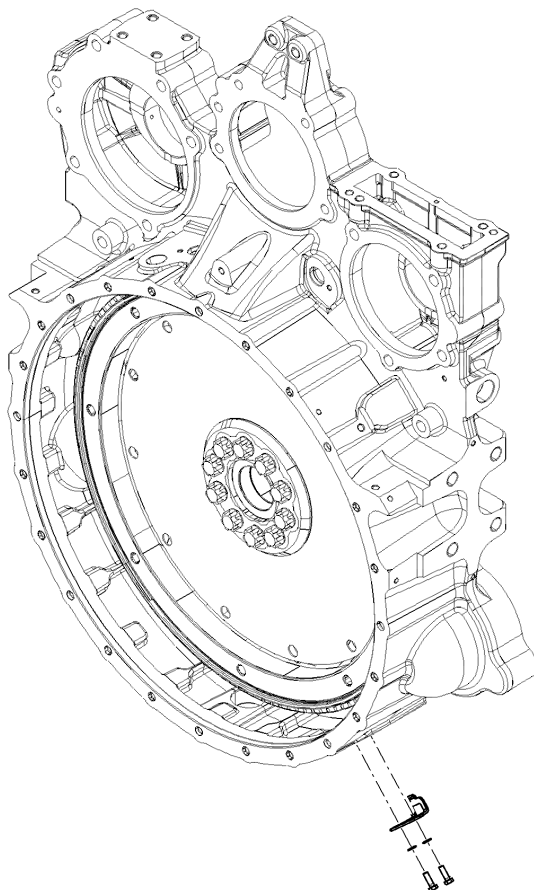
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610694	-	Flywheel housing	1	UN		
2	230610423	-	Sealing plug	2	UN		
3	230610411	-	Screw plug	2	UN		
120	230610703	-	Loctite	1	UN		



Control plate assembly

230610434

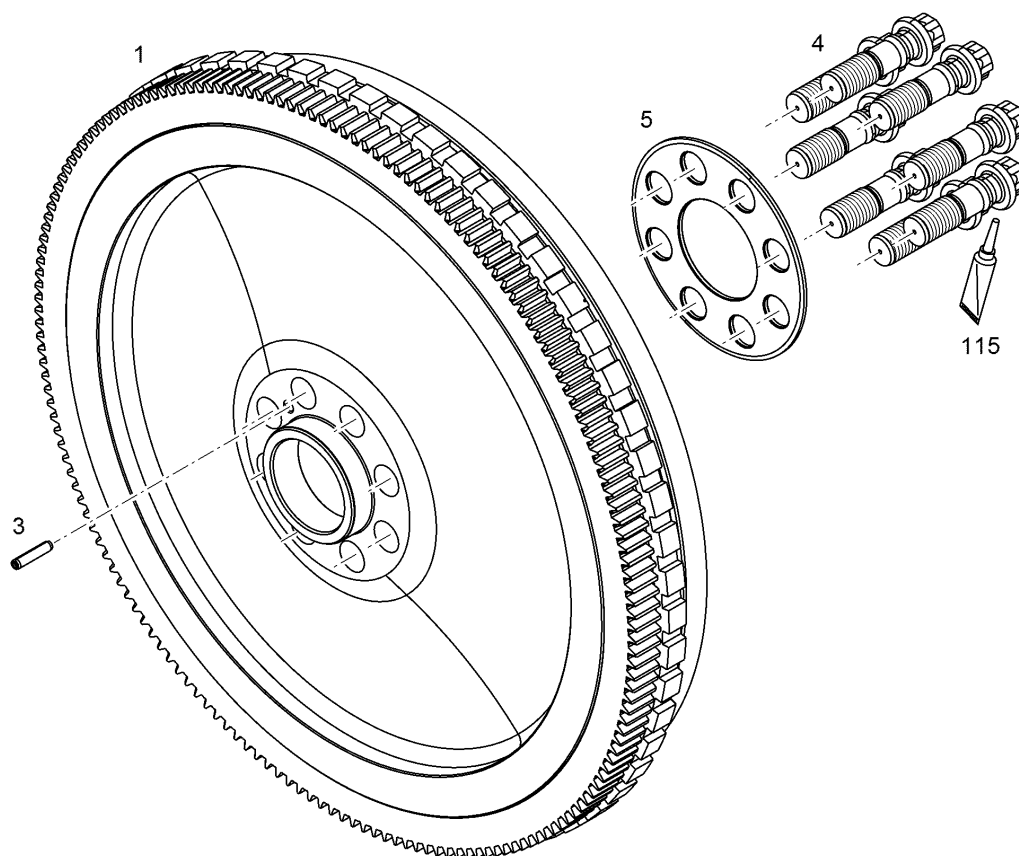
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610517	-	Ajdusting plate	1	UN		
2	230611010	-	Hex screw	2	UN		
3	230610395	-	Washer	2	UN		



Flywheel assembly

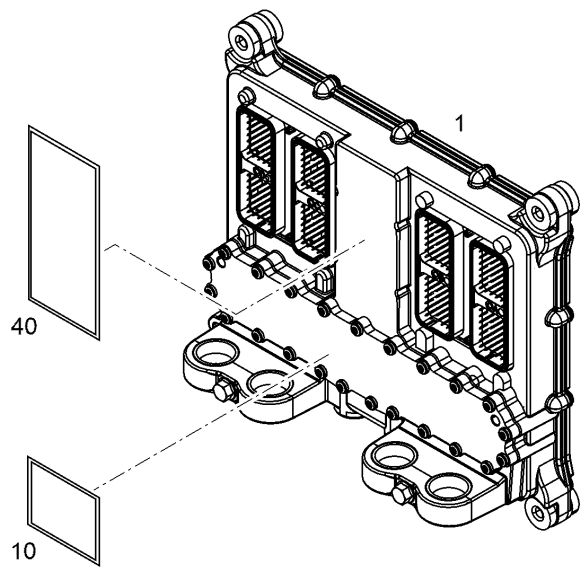
230610364

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610684	-	Flywheel pre-ass.	1	UN		
3	230610462	-	Spiral dowel pin	1	UN		
4	230610349	-	Hexalobular head screw	8	UN		
5	230612773	-	Compression ring	1	UN		
115	230612786	-	Paste	1	UN		



Motor control device
230612851

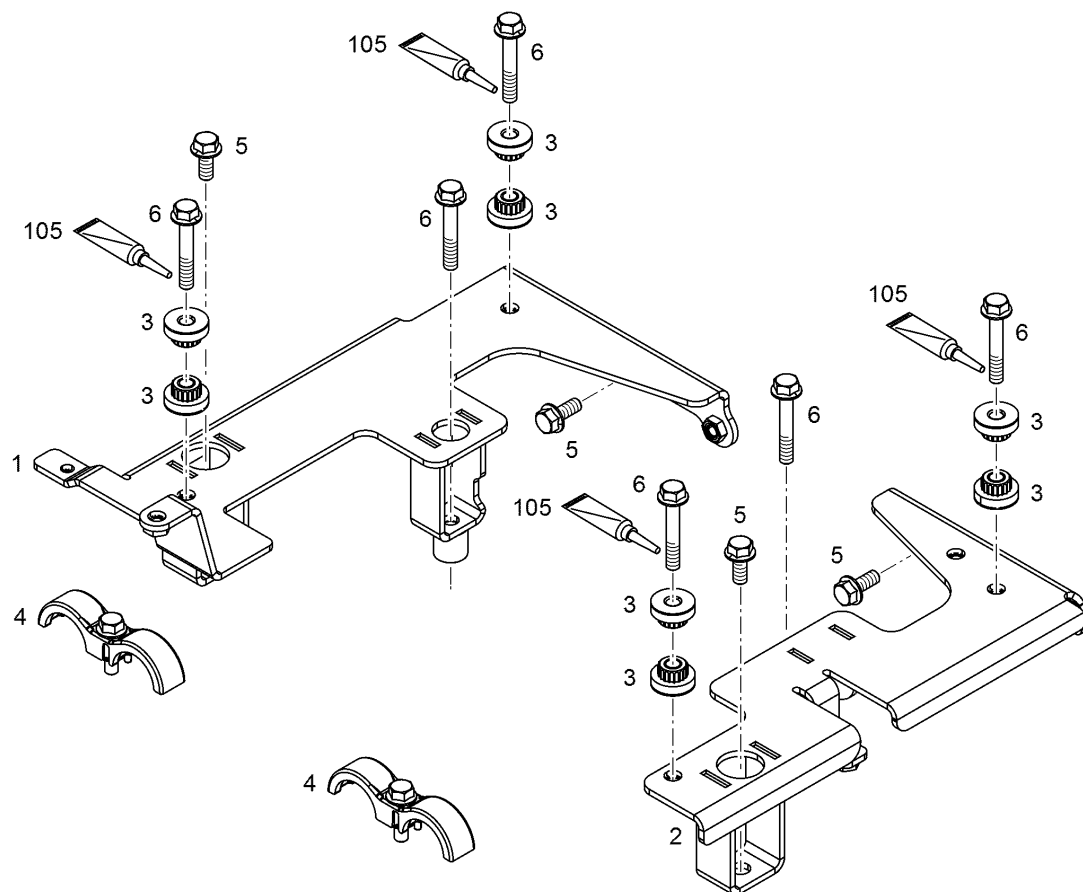
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610256	-	Motor control device	1	UN		
10	230611942	-	Company name plate	1	UN		
40	230611644	-	Company name plate	1	UN		



Control box annexe

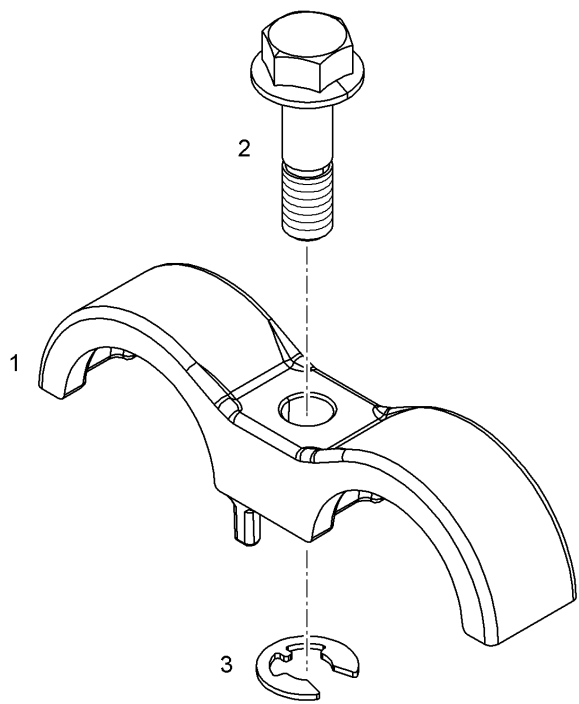
230610767

Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610766	-	Holder	1	UN			
2	230610765	-	Holder	1	UN			
3	230610269	-	Rubber buffer	8	UN			
4	230610072	-	Fastening clamp	2	UN			103
5	230611470	-	Hex screw	2	UN			
6	230611490	-	Hex screw	6	UN			
105	230611017	-	Screw locking	1	UN			



Fastening clamp
230610072

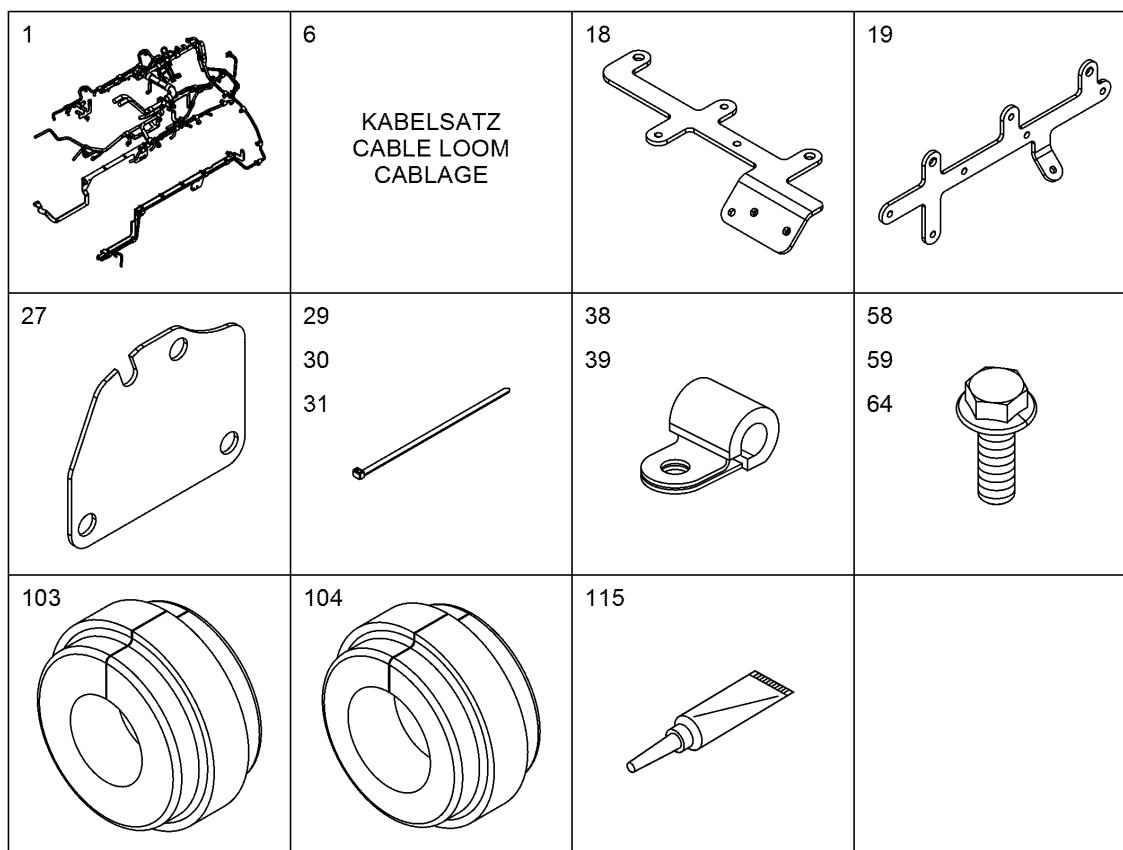
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610511	-	Fastening clamp	1	UN		
2	230610544	-	Screw	1	UN		
3	230612872	-	Lock washer	1	UN		



Cable harness mounting

230610175

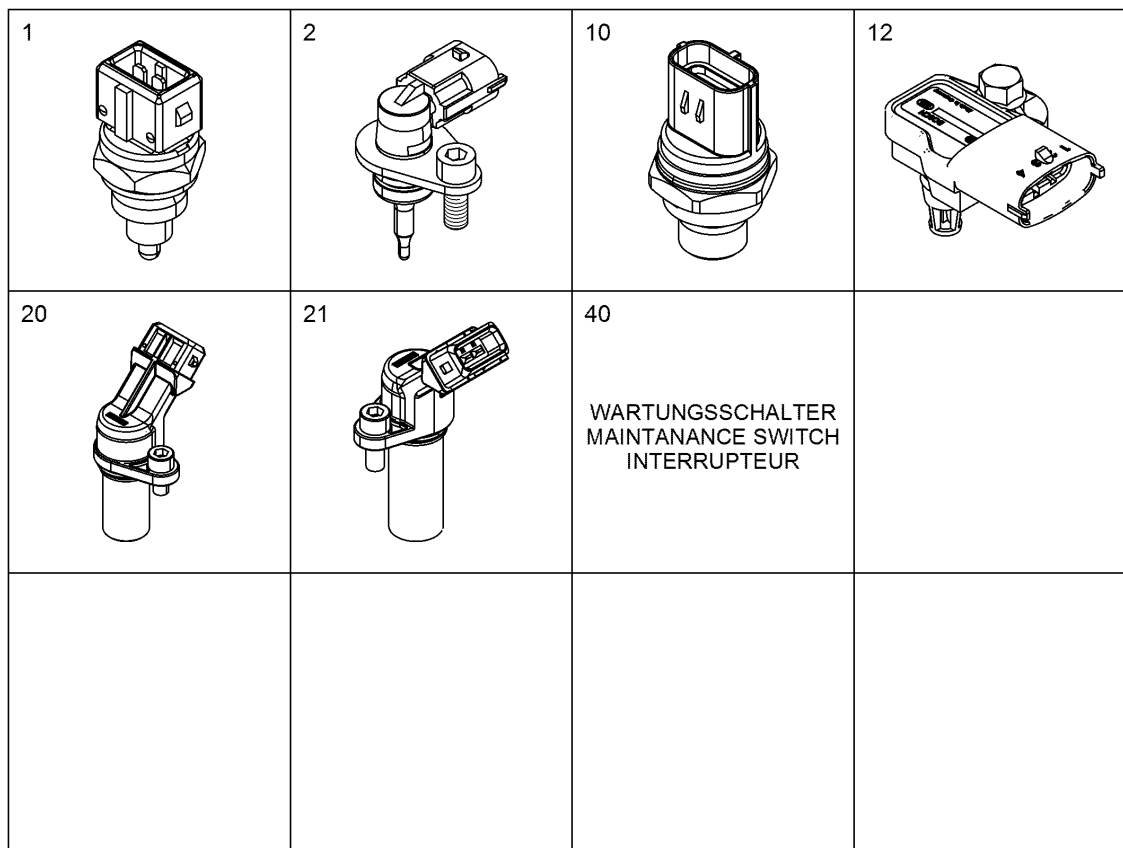
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611933	-	Wiring harness	1	UN		
6	230611934	-	Cable loom	1	UN		
18	230610773	-	Holder	1	UN		
19	230610768	-	Holder	1	UN		
27	230610978	-	Cover	1	UN		
29	230611015	-	Cable tie	2	UN		
30	230610938	-	Cable tie	4	UN		
31	230610939	-	Cable tie	36	UN		
38	230610087	-	Clamp	1	UN		
39	230610424	-	Clamp	2	UN		
58	230612333	-	Hex screw	1	UN		
59	230611470	-	Hex screw	9	UN		
64	230612542	-	Hex screw	1	UN		
103	230610513	-	Rubber ring	1	UN		
104	230611091	-	Ring	1	UN		
115	230610710	-	Surface sealing	1	UN		



Engine control sensors

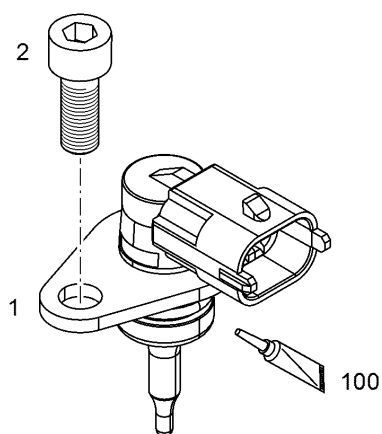
230610679

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610270	-	Temperature sensor coolant/oil/fuel	3	UN		
2	230610272	-	Temperature probe cpl.	1	UN		106
10	230610075	-	Oil pressure sensor	2	UN		107
12	230610077	-	Temperature sensor cpl.	1	UN		108
20	230612792	-	Crankshaft rotational speed sensor	1	UN		109
21	230612793	-	Camshaft rotational speed sensor	1	UN		110
40	230610184	-	Air filter pressure sensor	2	UN		



Temperature probe cpl.
230610272

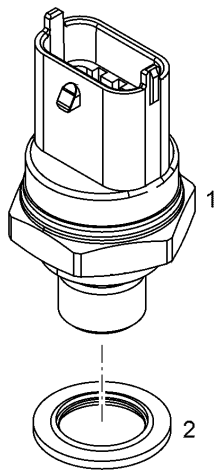
Po s.	Part No.	Ver	Description	Qty.	Un	S/N from	S/N to	Page
1	230610271	-	Air temperature sensor	1	UN			
2	230612440	-	Socket head screw	1	UN			
100	230610702	-	Grease	1	UN			9



Oil pressure sensor

230610075

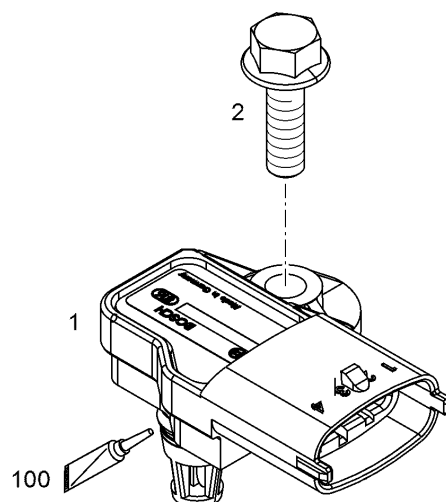
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230611019	-	Oil pressure sensor	1	UN		
2	230610056	-	Sealing ring	1	UN		



Temperature sensor cpl.

230610077

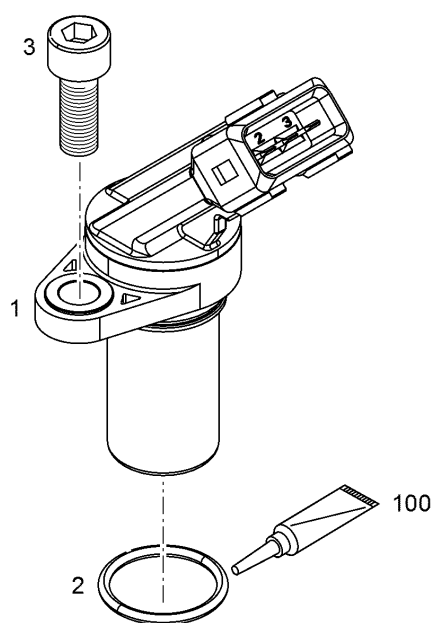
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230610076	-	Pressure and temperature sensor air boost	1	UN		
2	230612874	-	Hex screw	1	UN		
100	230610702	-	Grease	1	UN		9



Crankshaft rotational speed sensor

230612792

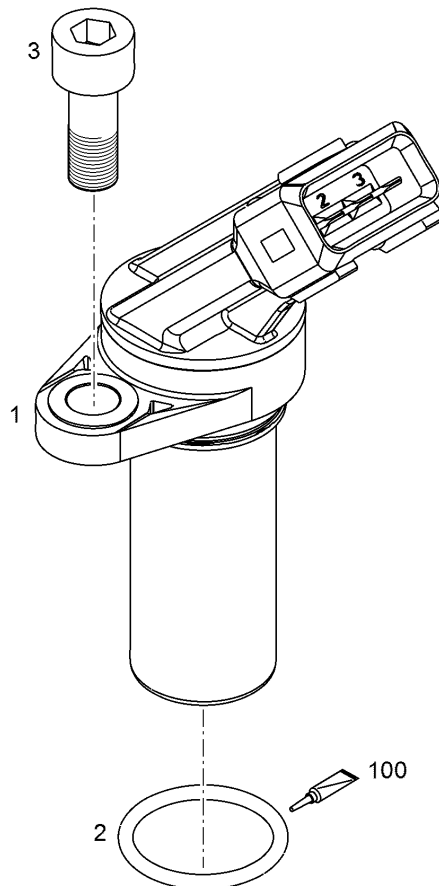
Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612790	-	Crankshaft rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		9



Camshaft rotational speed sensor

230612793

Po s.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
1	230612791	-	Camshaft rotational speed sensor	1	UN		
2	230610198	-	O-ring	1	UN		
3	230612440	-	Socket head screw	1	UN		
100	230610702	-	Grease	1	UN		9



Engine electrics
230610822

Pos.	Part No.	Ver	Description	Qty.	Un S/N from	S/N to	Page
90	230610823	-	Electrical circuit diagram	1	UN		

OHNE BILD
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SANS PLANCHE

Ordering PN

Part number	Ver	Description	Ordering PN
230510001	-	Oil filter	
230510003	-	Fuel fine filter	
230610045	-	Air intake right	230610045
230610046	-	Air intake left	230610046
230610047	-	Generator add-on	230610047
230610048	-	Viscose damper	230610048
230610049	-	Lamellar disk kit	230610049
230610050	-	Locking ring	230610050
230610051	-	Sealing ring	230610051
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
230610061	-	Distributor block	230610061
230610062	-	Distributor block	230610062
230610063	-	Screw plug	230610063
230610064	-	Screw plug	230610064
230610065	-	Screw plug	230610065
230610066	-	Screw plug	230610066
230610067	-	Screw plug	230610067
230610068	-	Screw plug	230610068
230610069	-	Screw plug	230610069
230610070	-	Screw plug	230610070

Ordering PN

Part number	Ver	Description	Ordering PN
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
230610084	-	Clamp	230610084
230610085	-	Hose clamp	230610085
230610086	-	Clamp	230610086
230610087	-	Clamp	230610087
230610088	-	Clamp	230610088
230610089	-	Pipe clamp	230610089
230610090	-	Clamp	230610090
230610091	-	Clamp	230610091
230610092	-	Pipe clamp	230610092
230610093	-	Clamp	230610093
230610094	-	Clamp	230610094
230610095	-	Clamp	230610095
230610096	-	Clamp	230610096
230610098	-	Pipe clamp	230610098
230610099	-	Hose clamp	230610099
230610100	-	Retainer clip	230610100
230610101	-	Retainer clip	230610101
230610102	-	Retainer clip	230610102
230610103	-	Compensator	230610103
230610104	-	Charge air line pre-ass.	230610104

Ordering PN

Part number	Ver	Description	Ordering PN
230610105	-	Fuel line	230610105
230610106	-	Fuel line	230610106
230610107	-	Fuel line	230610107
230610109	-	Fuel line	230610109
230610110	-	Fuel line	230610110
230610112	-	Overflow-oil line	230610112
230610113	-	Overflow-oil line	230610113
230610114	-	Overflow-oil line	230610114
230610115	-	Overflow-oil line	230610115
230610116	-	Overflow-oil line	230610116
230610117	-	Overflow-oil line	230610117
230610118	-	Overflow-oil line	230610118
230610120	-	Overflow-oil line	230610120
230610121	-	Overflow-oil line	230610121
230610122	-	Injection line	230610122
230610123	-	Injection line	230610123
230610124	-	Injection line	230610124
230610125	-	Injection line	230610125
230610126	-	Ventilation line	230610126
230610127	-	Ventilation line	230610127
230610128	-	Ventilation line	230610128
230610129	-	Ventilation line	230610129
230610130	-	Ventilation line	230610130
230610131	-	Ventilation line	230610131
230610132	-	Ventilation line	230610132
230610133	-	High pressure pipe assembly	230610133
230610134	-	Lubricating oil line	230610134
230610135	-	Lubricating oil line	230610135

Ordering PN

Part number	Ver	Description	Ordering PN
230610136	-	Oil return pipe	230610136
230610137	-	Oil return pipe	230610137
230610138	-	Console	230610138
230610139	-	Coolant pipe bend	230610139
230610140	-	Coolant pipe bend	230610140
230610141	-	Coolant pipe bend	230610141
230610142	-	Connecting elbow	230610142
230610147	-	Outlet manifold add-on	230610147
230610151	-	Cover	230610151
230610152	-	End cover	230610152
230610153	-	Cylinder head assembly	230610153
230610154	-	Oil sump with fastening	230610154
230610155	-	Cylinder	230610155
230610156	-	Starter installation	230610156
230610157	-	Clamp-half	230610157
230610158	-	Fastening device	230610158
230610159	-	Fastening device	230610159
230610160	-	Rocker arms device cpl.	230610160
230610163	-	Nut	230610163
230610165	-	Fan drive	230610165
230610166	-	Drive for high pressure pump	230610166
230610167	-	Distance sleeve	230610167
230610168	-	Distance sleeve	230610168
230610169	-	Distance sleeve	230610169
230610170	-	Distance sleeve	230610170
230610171	-	Distance sleeve	230610171
230610173	-	Distance sleeve	230610173
230610174	-	Spacer piece	230610174

Ordering PN

Part number	Ver	Description	Ordering PN
230610175	-	Cable harness mounting	230610175
230610180	-	Double-ended stud	230610180
230610181	-	Parallel pin	230610181
230610182	-	Jaw	230610182
230610183	-	Rk injector	230610183
230610184	-	Air filter pressure sensor	230610184
230610186	-	Seal	230610186
230610187	-	Seal	230610187
230610188	-	Seal	230610188
230610189	-	Seal	230610189
230610190	-	Cylinder head gasket	230610190
230610191	-	Seal	230610191
230610192	-	Seal	230610192
230610193	-	Seal	230610193
230610195	-	Seal	230610195
230610196	-	Rotary shaft lip seal	230610196
230610198	-	O-ring	230610198
230610199	-	O-ring	230610199
230610200	-	O-ring	230610200
230610201	-	O-ring	230610201
230610202	-	O-ring	230610202
230610203	-	O-ring	230610203
230610204	-	O-ring	230610204
230610205	-	O-ring	230610205
230610206	-	O-ring	230610206
230610207	-	O-ring	230610207
230610208	-	O-ring	230610208
230610209	-	O-ring	230610209

Ordering PN

Part number	Ver	Description	Ordering PN
230610210	-	O-ring	230610210
230610211	-	O-ring	230610211
230610212	-	Rubber connection	230610212
230610213	-	Rubber connection	230610213
230610214	-	Rubber connection	230610214
230610216	-	Rubber connection	230610216
230610217	-	Rubber connection	230610217
230610218	-	Rubber connection	230610218
230610219	-	Membrane	230610219
230610221	-	Locking pieces	230610221
230610222	-	Intermediate part	230610222
230610223	-	Intermediate part	230610223
230610224	-	Piston cpl.	230610224
230610225	-	Sheet	230610225
230610226	-	Sheet	230610226
230610227	-	Seal kit high press.connector	230610227
230610228	-	Seal kit injector	230610228
230610229	-	Seal kit high pressure pump	230610229
230610230	-	Water pump with fastening	230610230
230610231	-	Lube oil pump with fastening	230610231
230610232	-	High pressure pump w.fastening	230610232
230610233	-	Belt pulley	230610233
230610234	-	Belt pulley	230610234
230610235	-	Belt pulley	230610235
230610236	-	Guide pulley compl.	230610236
230610237	-	Guide pulley compl.	230610237
230610238	-	Guide pulley compl.	230610238
230610239	-	Roller tappet	230610239

Ordering PN

Part number	Ver	Description	Ordering PN
230610240	-	Flange joint	230610240
230610241	-	Flange joint	230610241
230610242	-	Flange joint	230610242
230610243	-	Flange joint	230610243
230610244	-	Flange joint	230610244
230610245	-	Flange joint	230610245
230610246	-	Flange joint	230610246
230610247	-	Flange joint	230610247
230610248	-	Flange joint	230610248
230610249	-	Flange joint	230610249
230610250	-	Fittings	230610250
230610251	-	High pressure connector	230610251
230610252	-	Double nipple	230610252
230610253	-	Hose nipple	230610253
230610254	-	Hose nipple	230610254
230610255	-	Hight pressure rail	230610255
230610256	-	Motor control device	230610256
230610257	-	Oil filler inlet	230610257
230610258	-	Crankcase breather pre-ass.	230610258
230610259	-	Pressure spring	230610259
230610262	-	Washer	230610262
230610263	-	Washer	230610263
230610264	-	Washer	230610264
230610265	-	Curved spring	230610265
230610266	-	Dsf ring	230610266
230610267	-	Piston ring mg	230610267
230610268	-	Kb-ring	230610268
230610269	-	Rubber buffer	230610269

Ordering PN

Part number	Ver	Description	Ordering PN
230610270	-	Temperature sensor coolant/oil/fuel	230610270
230610271	-	Air temperature sensor	230610271
230610272	-	Temperature probe cpl.	230610272
230610273	-	Valve	230610273
230610274	-	Shut-off valve	230610274
230610275	-	Final control valve	230610275
230610276	-	Drain valve	230610276
230610277	-	Support plate	230610277
230610278	-	Support plate	230610278
230610279	-	Holder	230610279
230610280	-	Holder	230610280
230610281	-	Holder	230610281
230610282	-	Holder	230610282
230610283	-	Holder	230610283
230610284	-	Holder	230610284
230610285	-	Holder	230610285
230610286	-	Thermostat	230610286
230610287	-	Tappet push rod	230610287
230610288	-	Plate	230610288
230610289	-	Intake stack	230610289
230610290	-	Pipe socket right	230610290
230610291	-	Pipe socket left	230610291
230610294	-	Exhaust tc mounting	230610294
230610295	-	Exhaust tc mounting	230610295
230610296	-	Exhaust pipe	230610296
230610297	-	Exhaust pipe	230610297
230610298	-	Exhaust pipe	230610298
230610299	-	Exhaust pipe	230610299

Ordering PN

Part number	Ver	Description	Ordering PN
230610300	-	Exhaust pipe	230610300
230610301	-	Exhaust pipe	230610301
230610302	-	Exhaust pipe	230610302
230610303	-	Exhaust pipe	230610303
230610304	-	Pipeline	230610304
230610305	-	Pipeline	230610305
230610306	-	Pipeline	230610306
230610307	-	Pipeline	230610307
230610312	-	Hex screw	230610312
230610313	-	Hex screw	230610313
230610315	-	Hex screw	230610315
230610317	-	Socket head screw	230610317
230610318	-	Hex screw	230610318
230610320	-	Hex screw	230610320
230610322	-	Hex screw	230610322
230610323	-	Hex screw	230610323
230610324	-	Hex screw	230610324
230610325	-	Socket head screw	230610325
230610327	-	Hex screw	230610327
230610329	-	Hex screw	230610329
230610330	-	Hex screw	230610330
230610331	-	Hex screw	230610331
230610332	-	Hex screw	230610332
230610333	-	Hex screw	230610333
230610335	-	Hex screw	230610335
230610337	-	Hex screw	230610337
230610338	-	Hex screw	230610338
230610339	-	Hex screw	230610339

Ordering PN

Part number	Ver	Description	Ordering PN
230610340	-	Hex screw	230610340
230610341	-	Hexalobular head screw	230610341
230610343	-	Hexalobular head screw	230610343
230610344	-	Hexalobular head screw	230610344
230610345	-	Double banjo bolt	230610345
230610346	-	Double banjo bolt	230610346
230610347	-	Double banjo bolt	230610347
230610348	-	Hexalobular head screw	230610348
230610349	-	Hexalobular head screw	230610349
230610350	-	Hexalobular head screw	230610350
230610352	-	Hollow screw	230610352
230610354	-	Hollow screw	230610354
230610355	-	Hollow screw	230610355
230610356	-	Hollow screw	230610356
230610357	-	Hollow screw	230610357
230610358	-	Hollow screw	230610358
230610359	-	Hollow screw	230610359
230610360	-	Hollow screw	230610360
230610361	-	Hollow screw	230610361
230610362	-	Locking screw	230610362
230610363	-	Cylinder screw	230610363
230610364	-	Flywheel assembly	230610364
230610365	-	V-belt pulley pre-ass.	230610365
230610366	-	Pipe clamp	230610366
230610369	-	Spare element	230610369
230610373	-	Screw plug	230610373
230610377	-	Socket head screw	230610377
230610379	-	Locking ring	230610379

Ordering PN

Part number	Ver	Description	Ordering PN
230610380	-	Locking ring	230610380
230610381	-	Locking ring	230610381
230610383	-	Hex screw	230610383
230610391	-	Parallel pin	230610391
230610393	-	Sealing ring	230610393
230610395	-	Washer	230610395
230610396	-	Double-ended stud	230610396
230610400	-	Socket head screw	230610400
230610401	-	Parallel pin	230610401
230610402	-	Hex nut	230610402
230610403	-	Socket head screw	230610403
230610404	-	Parallel pin	230610404
230610409	-	Sealing ring	230610409
230610411	-	Screw plug	230610411
230610414	-	O-ring	230610414
230610415	-	Screw plug	230610415
230610416	-	O-ring	230610416
230610423	-	Sealing plug	230610423
230610424	-	Clamp	230610424
230610428	-	Nozzle	230610428
230610430	-	Sealant	230610430
230610431	-	Glue	230610431
230610433	-	Camshaft bearing	230610433
230610434	-	Control plate assembly	230610434
230610435	-	Spring support	230610435
230610436	-	Cover	230610436
230610438	-	Countersunk screw	230610438
230610440	-	Cover	230610440

Ordering PN

Part number	Ver	Description	Ordering PN
230610441	-	O-ring	230610441
230610442	-	Fittings	230610442
230610444	-	Cover	230610444
230610445	-	Seal	230610445
230610449	-	Rubber connection	230610449
230610450	-	Spacer piece	230610450
230610455	-	Rubber connection	230610455
230610456	-	Copper paste	230610456
230610460	-	Hex screw	230610460
230610462	-	Spiral dowel pin	230610462
230610463	-	Valve spring	230610463
230610465	-	Rotary shaft lip seal	230610465
230610466	-	Rotary shaft lip seal	230610466
230610467	-	Hex screw	230610467
230610469	-	Hex screw	230610469
230610471	-	Hex screw	230610471
230610472	-	Hex screw	230610472
230610473	-	Hex screw	230610473
230610474	-	Hex screw	230610474
230610475	-	Hex screw	230610475
230610477	-	Sealing plug	230610477
230610478	-	End cover	230610478
230610481	-	Ball	230610481
230610482	-	Hex screw	230610482
230610483	-	O-ring	230610483
230610492	-	Control parts	230610492
230610497	-	Pipeline	230610497
230610498	-	Pipeline installation	230610498

Ordering PN

Part number	Ver	Description	Ordering PN
230610499	-	Fittings	230610499
230610502	-	Locking pieces	230610502
230610504	-	Valve stem seal ring	230610504
230610510	-	Tight fit sleeve	230610510
230610511	-	Fastening clamp	230610511
230610513	-	Rubber ring	230610513
230610517	-	Ajdusting plate	230610517
230610519	-	Lifting hook	230610519
230610522	-	O-ring	230610522
230610523	-	O-ring	230610523
230610525	-	Special tool	230610525
230610526	-	O-ring	230610526
230610529	-	Mounting requirement	230610529
230610530	-	Holder	230610530
230610538	-	Holder	230610538
230610544	-	Screw	230610544
230610545	-	Sheet gasket	230610545
230610546	-	Guiding pipe	230610546
230610550	-	Coolant pipe bend add-on	230610550
230610552	-	Outlet valve	230610552
230610553	-	Washer	230610553
230610554	-	Exhaust valve seat insert	230610554
230610555	-	Cover	230610555
230610557	-	Connecting rod pre-assy.	230610557
230610558	-	Connecting rod bearing	230610558
230610559	-	Connecting rod bearing	230610559
230610560	-	Main bearing	230610560
230610561	-	Main bearing	230610561

Ordering PN

Part number	Ver	Description	Ordering PN
230610562	-	Thrust washer	230610562
230610563	-	Thrust washer	230610563
230610564	-	Main bearing	230610564
230610565	-	Main bearing	230610565
230610566	-	Crankshaft sealing	230610566
230610567	-	Bearing flange	230610567
230610568	-	Shaft	230610568
230610569	-	Flange	230610569
230610570	-	Piston cooling	230610570
230610571	-	Lifting device	230610571
230610572	-	Crankshaft bearings	230610572
230610573	-	Hexalobular head screw	230610573
230610574	-	Locking pieces	230610574
230610575	-	Drive shaft	230610575
230610576	-	Rk pre-feed pump	230610576
230610577	-	Shaft	230610577
230610578	-	Flange	230610578
230610579	-	Seal	230610579
230610580	-	Cover	230610580
230610588	-	Piston bolt	230610588
230610592	-	High pressure pump	230610592
230610593	-	Valve stem guide	230610593
230610595	-	Cover	230610595
230610602	-	Plate	230610602
230610633	-	Pressure spring	230610633
230610634	-	Piston	230610634
230610637	-	Tube	230610637
230610644	-	Camshaft	230610644

Ordering PN

Part number	Ver	Description	Ordering PN
230610646	-	Holder	230610646
230610647	-	Sleeve	230610647
230610648	-	Oil cooler	230610648
230610653	-	Crankcase cpl.	230610653
230610654	-	Hex nut	230610654
230610655	-	Adjusting screw	230610655
230610656	-	Washer	230610656
230610657	-	Pressure limiting valve	230610657
230610658	-	Gear wheel	230610658
230610659	-	Belt drive	230610659
230610660	-	Rocker arm bracket pre-ass.	230610660
230610661	-	Thermostat housing	230610661
230610662	-	Thermostat housing pre-ass.	230610662
230610668	-	Perforated plate	230610668
230610670	-	V-ripped belt	230610670
230610671	-	Injector assy	230610671
230610674	-	Deep groove ball bearing	230610674
230610675	-	Deep groove ball bearing	230610675
230610676	-	Cover	230610676
230610679	-	Engine control sensors	230610679
230610681	-	Exhaust pipe assembly	230610681
230610683	-	Filler neck	230610683
230610684	-	Flywheel pre-ass.	230610684
230610685	-	Connection f.water pipe	230610685
230610687	-	Gear wheel	230610687
230610688	-	Gearwheel pre-ass.	230610688
230610689	-	Gear wheel	230610689
230610690	-	Gear wheel	230610690

Ordering PN

Part number	Ver	Description	Ordering PN
230610691	-	Gearwheel pre-ass.	230610691
230610694	-	Flywheel housing	230610694
230610695	-	Flywheel housing pre-ass.	230610695
230610697	-	Valve bridge	230610697
230610701	-	O-ring	230610701
230610702	-	Grease	230610702
230610703	-	Loctite	230610703
230610707	-	Hex screw	230610707
230610708	-	Socket head screw	230610708
230610709	-	O-ring	230610709
230610710	-	Surface sealing	230610710
230610711	-	Plug-in pipe	230610711
230610712	-	Spring washer	230610712
230610713	-	Spring washer	230610713
230610714	-	Hex nut	230610714
230610715	-	Hex nut	230610715
230610719	-	Socket head screw	230610719
230610720	-	Screw plug	230610720
230610727	-	Fuel hose	230610727
230610729	-	O-ring	230610729
230610740	-	Connecting pipe pre-ass.	230610740
230610742	-	Bedplate engine	230610742
230610751	-	Steep-angle bearing	230610751
230610752	-	Connecting line add-on	230610752
230610758	-	Screw plug	230610758
230610759	-	Rocker arm support	230610759
230610760	-	Nozzle pre-ass.	230610760
230610761	-	Rocker arm	230610761

Ordering PN

Part number	Ver	Description	Ordering PN
230610762	-	Rocker arm	230610762
230610763	-	Rocker axle pre-ass.	230610763
230610765	-	Holder	230610765
230610766	-	Holder	230610766
230610767	-	Control box annexe	230610767
230610768	-	Holder	230610768
230610773	-	Holder	230610773
230610774	-	Regulation boost pressure	230610774
230610777	-	Valve collet	230610777
230610783	-	Timing disk	230610783
230610817	-	Fastening pieces assembly	230610817
230610818	-	Fixing parts	230610818
230610819	-	Fixing parts	230610819
230610820	-	Seal	230610820
230610821	-	Housing pre-assembled	230610821
230610822	-	Engine electrics	230610822
230610823	-	Electrical circuit diagram	230610823
230610827	-	Exhaust gas turbocharger	230610827
230610828	-	Exhaust gas turbocharger	230610828
230610834	-	Fixing parts	230610834
230610835	-	Drive shaft	230610835
230610838	-	Outlet manifold	230610838
230610842	-	Spacer piece	230610842
230610847	-	Piston	230610847
230610848	-	Inlet valve	230610848
230610849	-	Camshaft pre-ass.	230610849
230610850	-	Camshaft cpl.	230610850
230610853	-	Leak oil line add-on	230610853

Ordering PN

Part number	Ver	Description	Ordering PN
230610854	-	Fuel lines	230610854
230610858	-	Crankcase breather assembly	230610858
230610859	-	Starter pre-assy.	230610859
230610877	-	Cylinder liner	230610877
230610878	-	Fastening device	230610878
230610884	-	Aggregate support pre-ass.	230610884
230610885	-	Power unit support attachment	230610885
230610886	-	Oil module	230610886
230610887	-	Oil cooler housing	230610887
230610889	-	Flywheel housing mounting	230610889
230610890	-	Inlet valve seat insert	230610890
230610891	-	Charge air line assembly	230610891
230610892	-	Driving parts	230610892
230610893	-	Vent tube assembly	230610893
230610894	-	Water pump, pre-assembled	230610894
230610895	-	Cylinder head	230610895
230610900	-	Fan drive assembly	230610900
230610907	-	Air intake assembly	230610907
230610909	-	Outlet manifold add-on	230610909
230610912	-	Crankcase breather	230610912
230610913	-	Cover	230610913
230610917	-	Generator, pre-assembled	230610917
230610918	-	Cylinder head	230610918
230610919	-	Cylinder head pre-assy.	230610919
230610925	-	Thermostat housing assembly	230610925
230610934	-	Hex screw	230610934
230610936	-	Countersunk screw	230610936
230610938	-	Cable tie	230610938

Ordering PN

Part number	Ver	Description	Ordering PN
230610939	-	Cable tie	230610939
230610947	-	Parallel pin	230610947
230610978	-	Cover	230610978
230611005	-	Cylinder head cover	230611005
230611006	-	Cylinder head cover assembly	230611006
230611010	-	Hex screw	230611010
230611011	-	Ring bolt	230611011
230611012	-	Washer	230611012
230611013	-	Locking ring	230611013
230611014	-	Fitting key	230611014
230611015	-	Cable tie	230611015
230611016	-	Sealing compound	230611016
230611017	-	Screw locking	230611017
230611018	-	Glue	230611018
230611021	-	Reworking kit CCV valve	230611021
230611091	-	Ring	230611091
230611109	-	Hex screw	230611109
230611118	-	Hex nut	230611118
230611370	-	Hex screw	230611370
230611456	-	O-ring	230611456
230611470	-	Hex screw	230611470
230611482	-	Hex screw	230611482
230611490	-	Hex screw	230611490
230611643	-	Lipseal	230611643
230611644	-	Company name plate	230611644
230611882	-	Lubricant paste	230611882
230611924	-	Belt	230611924
230611926	-	Rubber sleeve	230611926

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Part number	Ver	Description	Ordering PN
230611936	-	Dipstick	230611936
230611938	-	Oil module assembly	
230611939	-	Fuel fine-filter assembly	
230611942	-	Company name plate	230611942
230611945	-	Plug-in pipe	
230611946	-	Screw	230611946
230611947	-	Belt	230611947
230611949	-	Washer	230611949
230611951	-	Nut	230611951
230611955	-	Fuel filter module	
230611956	-	Filter head	230611956
230611959	-	Crankcase	
230611960	-	Dipstick	230611960
230611961	-	Screw	230611961
230612233	-	Blanking plug	230612233
230612234	-	Blanking plug	230612234
230612246	-	Connection piece	230612246
230612255	-	Cover lid	230612255
230612259	-	Cover lid	230612259
230612260	-	Covering caps - kit	230612260
230612269	-	Cylinder head cover	230612269
230612276	-	Double banjo bolt	230612276
230612310	-	Grease	230612310
230612312	-	Hex nut	230612312
230612322	-	Hex screw	230612322
230612325	-	Hex screw	230612325
230612326	-	Hex screw	230612326
230612330	-	Hex screw	230612330

Ordering PN

Part number	Ver	Description	Ordering PN
230612331	-	Hex screw	230612331
230612333	-	Hex screw	230612333
230612360	-	Hollow screw	230612360
230612361	-	Hollow screw	230612361
230612373	-	Injector with fastening	230612373
230612387	-	Mounting requirement	230612387
230612402	-	O-ring	230612402
230612403	-	O-ring	230612403
230612437	-	Seal kit prefeeding pump	230612437
230612438	-	Sealing plug	230612438
230612440	-	Socket head screw	230612440
230612442	-	Socket head screw	230612442
230612443	-	Socket head screw	230612443
230612448	-	Universal protection	230612448
230612454	-	Screw	230612454
230612542	-	Hex screw	230612542
230612687	-	Overflow oil line	230612687
230612688	-	Repair kit volum control valve	230612688
230612771	-	Washer	230612771
230612773	-	Compression ring	230612773
230612774	-	Coupling	230612774
230612775	-	Double ended stud	230612775
230612776	-	Fuel line	230612776
230612777	-	Fuel line	230612777
230612778	-	Hex nut	230612778
230612779	-	Hex screw	230612779
230612780	-	Hose clamp	230612780
230612781	-	Intake stack assembly	230612781

Ordering PN

Part number	Ver	Description	Ordering PN
230612783	-	Oil line	230612783
230612784	-	Oil separator	230612784
230612785	-	O-ring	230612785
230612786	-	Paste	230612786
230612787	-	Pipeline	230612787
230612788	-	Pipeline	230612788
230612789	-	Prefeeding pump	230612789
230612790	-	Crankshaft rotational speed sensor	230612790
230612791	-	Camshaft rotational speed sensor	230612791
230612792	-	Crankshaft rotational speed sensor	230612792
230612793	-	Camshaft rotational speed sensor	230612793
230612794	-	Rubber connection	230612794
230612795	-	Rubber connection	230612795
230612797	-	Socket head screw	230612797
230612799	-	Spherical washer	230612799
230612800	-	Stop plug	230612800
230612873	-	Hex screw	230612873
230612874	-	Hex screw	230612874
230612876	-	End cover	230612876
230612878	-	Screw stopper	230612878
230612879	-	Screw cap	230612879
230612880	-	Screw stopper	230612880

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