

Part Manual of Airend Block

NL50/M111

Airends

Airend Models

15KW	L(8bar)	H(10bar)	HH(13bar)
50HZ	NL50 D	NL50 B	NL50 A
60HZ	NL50 B	NL50 A	\

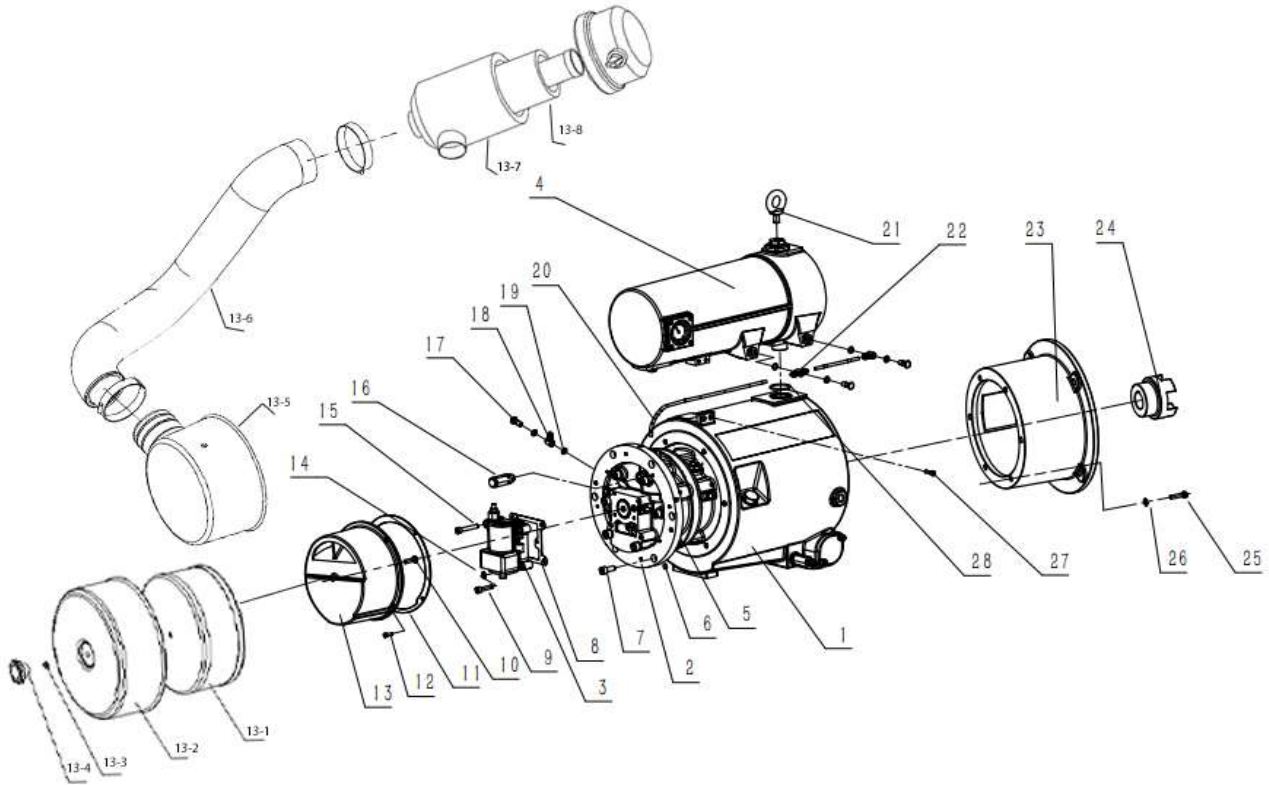
18KW	L(8bar)	H(10bar)	HH(13bar)
50HZ	NL50 F	NL50 D	NL50 C
60HZ	NL50 D	NL50 B	NL50 A

22KW	L(8bar)	H(10bar)	HH(13bar)
50HZ	NL50 H	NL50 F	NL50 E
60HZ	NL50 F	NL50 D	NL50 C

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1、NL50 Airend



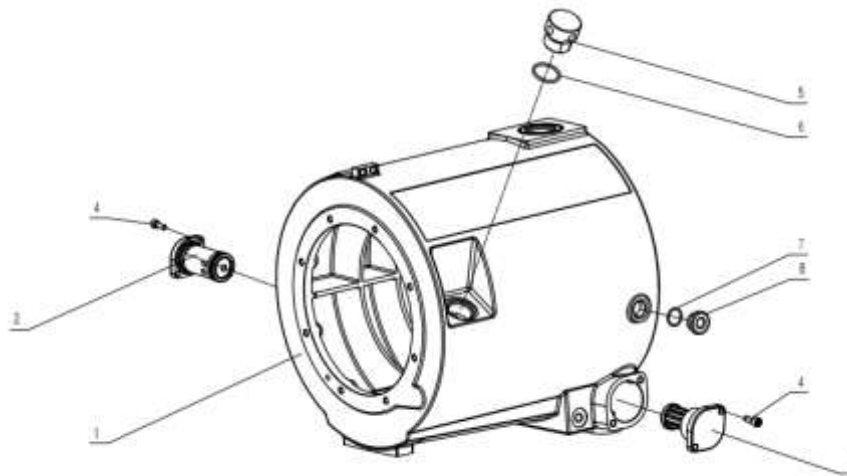
Pic1 NL50 Airend

Item	Name	Part code	Qty	Note
	Airend	201020000151	1	NL50 A
	Airend	201020000403	1	NL50 B
	Airend	201020000157	1	NL50 C
	Airend	201020000466	1	NL50 D
	Airend	201020000308	1	NL50 E
	Airend	201020000426	1	NL50 F
	Airend	201020000255	1	NL50 H
1	Oil Cover Assy	201030000050	1	
2	Rotor&stator assy	201040000026	1	Stator NL50 A
	Rotor&stator assy	201040000027	1	Stator NL50 B
	Rotor&stator assy	201040000028	1	Stator NL50 C
	Rotor&stator assy	201040000029	1	Stator NL50 D
	Rotor&stator assy	201040000031	1	Stator NL50 E

Item	Name	Part code	Qty	Note
	Rotor&stator assy	201040000032	1	Stator NL50 F
	Rotor&stator assyassy	201040000034	1	Stator NL50 H
3	Intake Valve assy	201080000019	1	7/10bar
	Intake Valve assy	201080000014	1	13bar
4	Oil Separator Assy	201060000017	1	
5	O-ring	352010010090	1	
6	O-ring	352010010015	1	
7	Socket head screws	351010030236	6	
8	Intake valve gasket	352020050038	1	
9	Socket head screws	351010030207	3	
10	Cross head screw	351010030100	1	
11	Intake valve gasket	352020050030	1	
12	Socket head screw	351010030144	4	
13	Intake valve cover	301010080011	1	Standard
13-1	Air filter element	357020000053	1	
13-2	Air filter shell	301010090009	1	
13-3	Filter cover Gasket	341008000005	1	
13-4	Filter cover nut	351020090026	1	
13-5	Intake valve cover	301010080012	1	External
13-6	Air hose	360050000200	1	
13-7	Air filter shell	253000000068	1	
13-8	Air filter element	357020000016	1	
14	Spring washer	351010050008	4	
15	Socket head screw	351010030216	1	
16	Safety valve	361060000020	1	8/10bar
		361060000001	1	13bar
17	OSV screw	351020030017	3	
18	OSV joint	354110000016	2	

Item	Name	Part code	Qty	Note
19	Gasket	351020040030	6	
20	Hose	401060030002	0.5	
21	Lifting bolts	351010030005	1	
22	Pipe fittings	354110000012	1	
23	Bell housing	301010100018	1	
24	Airend Couplng	253000000039	1	
25	Socket head screw	351010030237	6	
26	SpringGasket	351010050011	6	
27	Socket head screw	351010030169	2	
28	O-ring	352010010068	1	

1-1Oil Shell assy

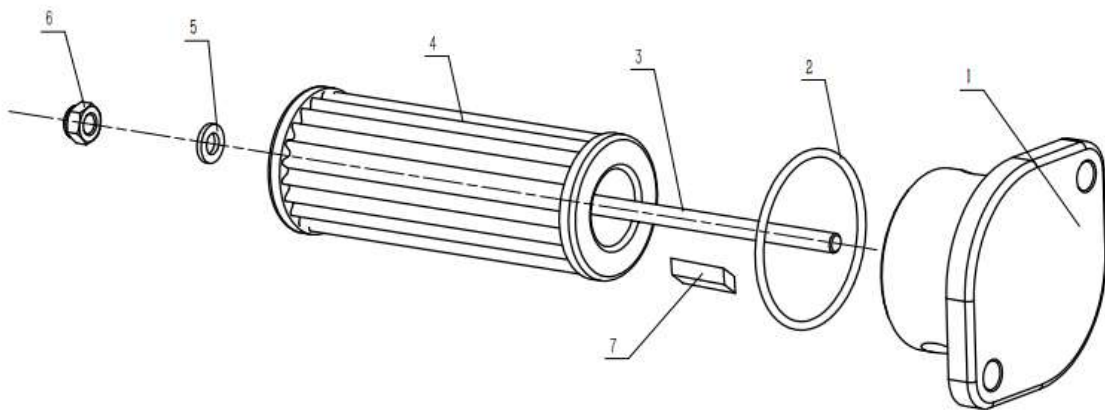


Pic2 Oil shell assy

Item	Name	Part code	Qty	Note
	Oil Shell Assy	201030000050	1	
1	Oil Shell	301010010022	1	Standard cooler type
1	Oil Shell	301010010066	1	Middle cooler type
2	Thermostate valve assy	201090030014	1	82℃
	Thermostate valve assy	201090030004	(1)	Optional 74℃
	Thermostate valve assy	201090030017	(1)	Optional 88℃

Item	Name	Part code	Qty	Note
3	Oil filter Assy	201100000015	1	
4	Socket head screw	351010030002	4	
5	Plug screw	351010150018	1	
6	Bonded Gasket	352010030036	1	
7	O-ring	352010010059	1	
8	Oil level indicator	359020000002	1	

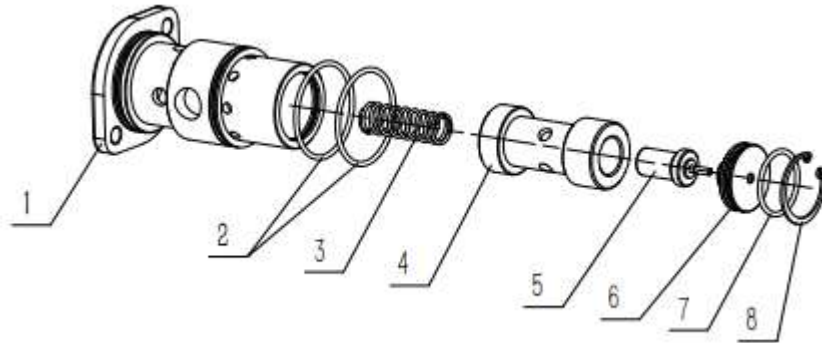
1-1-1Oil filterassy



Pic3 Oil filter assy

Item	Name	Part code	Qty	Note
	Oil filter Assy	201100000015	1	
1	Oil filter cover	301010150007	1	
2	O-ring	352010010073	1	
3	Oil filter base bar	351020020005	1	
4	Filter element	357030000023	1	
5	Filter washer	351020040054	1	
6	Locknut	351010040062	1	
7	Magnet Brick	363040000003	1	

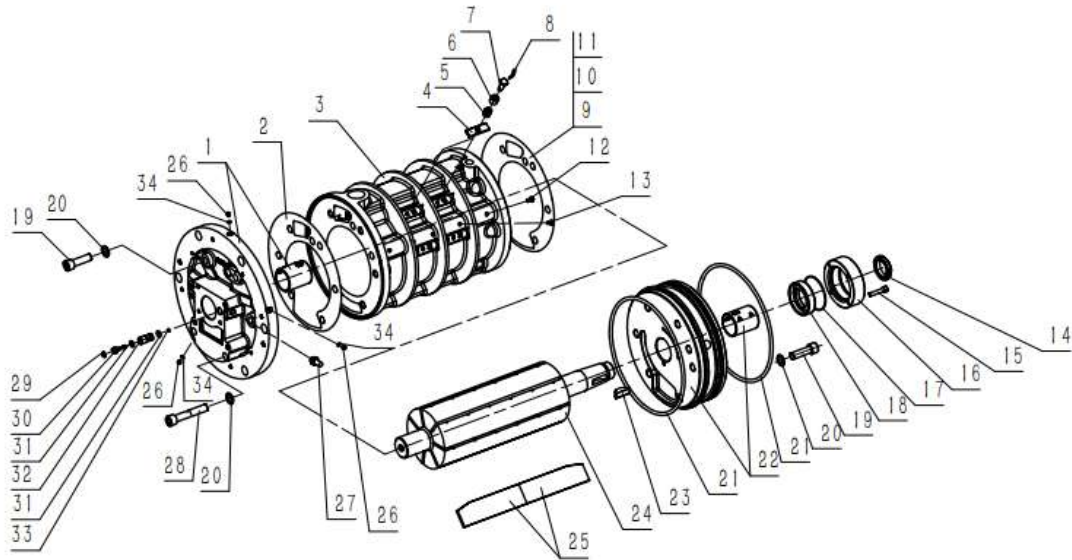
1-1-2Thermostate valve assy



Pic6 Thermostate valve assy

Item	Name	Part code	Qty	Note
	Thermostate valve assy	201090030014	1	
1	Thermostate valve base	301010180008	1	
2	O-RING	352010010073	2	
3	Thermostate valve spring	363020000019	1	
4	Thermostate valve plug	301010300020	1	
5	Thermostate valve blub	359030000007	1	82℃
	Thermostate valve blub	359030000006	(1)	Optional 74℃
	Thermostate valve blub	359030000008	(1)	Optional 88℃
6	Push cover	301010270020	1	
7	O-ring	352010010064	1	
8	Circlip	351010070011	1	

1-2 Rotor&stator assy

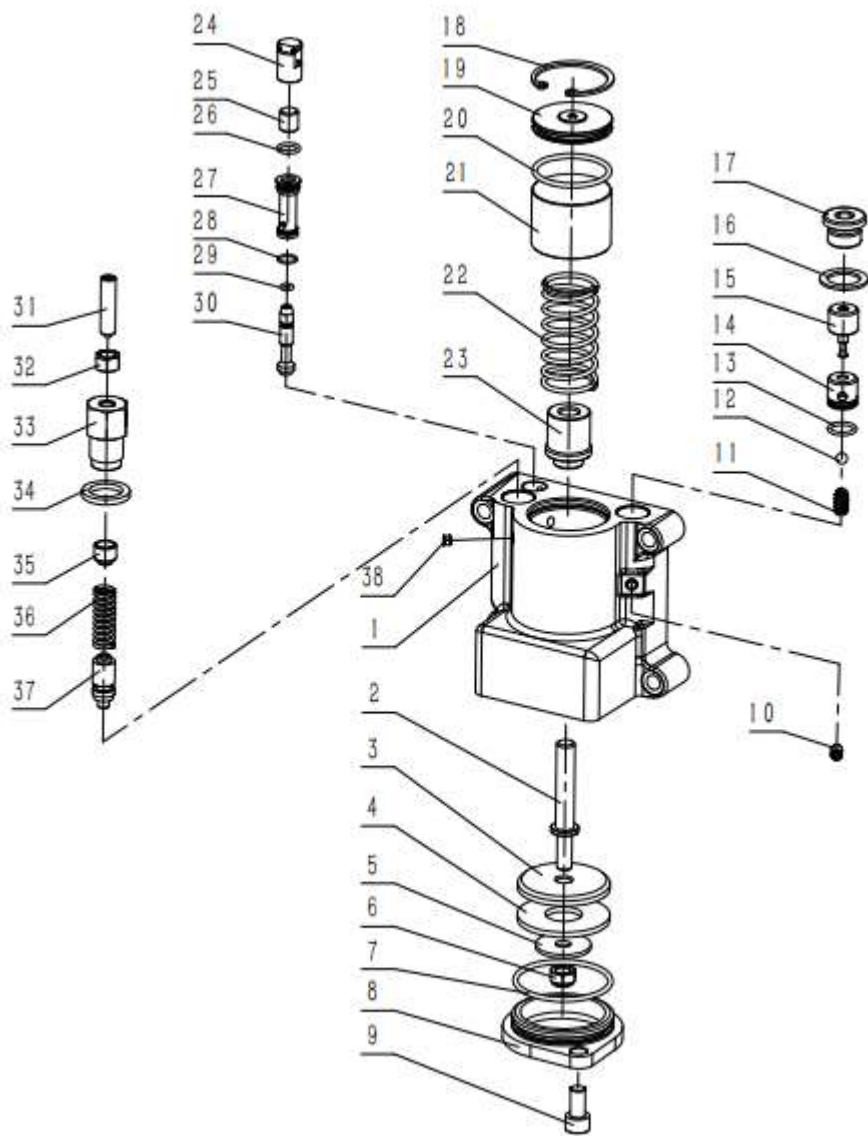


Pic4 Rotor&stator assy

Item	Name	Part code	Qty	Note
	Rotor&stator assy	201040000029	1	
1	Intake cover(Incl.bush)	301010020032	1	
2	Shim	352020070048	1	Intake cover,thickness0.05mm
3	Stator	301010040028	1	NL50 A
	Stator	301010040029	1	NL50 B
	Stator	301010040030	1	NL50 C
	Stator	301010040031	1	NL50 D
	Stator	301010040032	1	NL50 E
	Stator	301010040002	1	NL50 F
	Stator	301010040034	1	NL50 H
4	Oil-spill valve plate	301010320003	4	
5	Oil-spill valve spring	363020000030	4	
6	Oil-spill valve cover	301010270022	4	
7	Oil-spill valve screw	351020030006	4	
8	Iron wire	363030000005	0.5	
9	Shim	352020070020	1	Shaft cover,thickness0.05mm

Item	Name	Part code	Qty	Note
10	Shim	352020070022	1	Shaft cover,thickness0.1mm
11	Shim	352020070021	1	Shaft cover,thickness0.075mm
12	Cross head screw	351020030020	1	
13	Cross head screw	351010030074	4	
14	Nut	351020090004	1	
15	Socket head screw	351010030177	4	
16	Oil seal flange	301010310008	1	
17	O-RING	352010010033	1	
18	Oil seal	352020080021	1	
19	Socket head screw	351010030006	10	
20	Bonded Gasket	352010030008	12	
21	O-ring	352010010182	2	
22	Shaft Cover(Incl.bush)	301010020007	1	
23	Pin	351010100004	1	
24	Rotor	301010030007	1	
25	Blades	301010050012	14	NL50 A/B/C/D/E/F
	Blades	301010050013	14	NL50 H
26	Cross head screw	351010030082	3	
27	Air out mutter	363060000002	1	
28	Socket head screw	351010030261	2	
29	Y-ring	352020020001	1	
30	Exhausted valve core	301010200014	1	
31	O-RING	352010010015	2	
32	Exhausted valve sleeve	301010230003	1	
33	O-ring	352010010010	1	
34	O-ring	352010010230	3	

1-3Intake valve assy



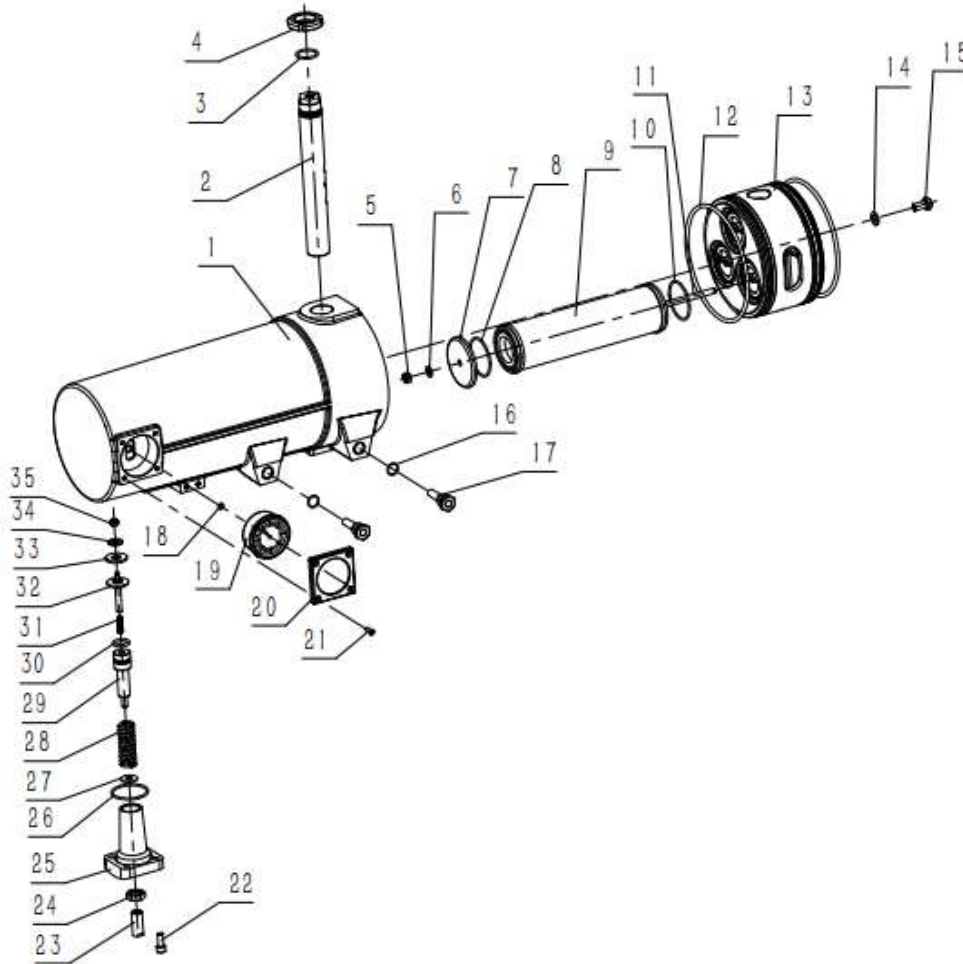
Pic5 Intake valve assy

Item	Name	Part code	Qty	Note
	Intake valve assy	201080000019	1	
1	Intake valve Body	301010160022	1	
2	Intake valve rod	301010280009	1	
3	Intake valve plug	301010270027	1	
4	Sealing gasket	352020050026	1	
5	Intake valve low liner	301010290004	1	

Item	Name	Part code	Qty	Note
6	Locknut	351010040063	1	
7	O-ring	352010010071	1	
8	Intake valvePush cover	301010270011	1	
9	Socket head screw	351010030193	2	
10	Socket head screw	351010030018	1	
11	Vaccum valve Spring	363020000014	1	
12	Steel ball	353030000004	1	
13	O-ring	352010010019	1	
14	Vaccum valve rod	301010230010	1	
15	Vaccum valve core	301010200003	1	
16	Bonded Gasket	352010030012	1	
17	Pulg screw	351020080006	1	
18	Circlip	351010070012	1	
19	Intake valve cover	301010270013	1	
20	O-ring	352010010066	1	
21	Intake valve Piston	301010300009	1	
22	Intake valve spring	363020000035	1	
23	Intake valve Sleeve	301010220006	1	
24	Unload valve plate	301010260001	1	
25	Unload valve rod	301010290005	1	
26	O-ring	352010010016	1	
27	Unload valve Sleeve	301010220008	1	
28	O-ring	352010010006	1	
29	O-ring	352010010204	1	
30	Unload valve 芯	301010200006	1	

Item	Name	Part code	Qty	Note
31	Socket head screw	351010030044	1	
32	Hexagon nut	351010040014	1	
33	Servo-valve Rod	351020090010	1	
34	Gasket	351020040022	1	
35	Servo-valve bar	301010290007	1	
36	Servo-valve Spring	363020000024	1	7/10bar
	Servo-valve Spring	201080000014	1	13bar
37	Servo-valve Core	301010200008	1	
38	Socket head screw	351010030024	1	

1-4 Oil separation assy



Pic7 Oil separation assy

Item	Name	Part code	Qty	Note
	Oil separation assy	20106000017	1	
1	Oil separation vessel	301010060013	1	
2	Air tube	301010240005	1	
3	O-RING	352010010062	1	
4	Nut	351020090005	1	
5	Locknut	351010040063	3	
6	Oil separation Gasket	351020040040	3	
7	Oil separation Core Cover	301010270033	3	
8	O-ring	352010010121	3	

Item	Name	Part code	Qty	Note
9	Oil separator elements	357040000030	3	
10	O-ring	352010010076	3	
11	Oil separation Bolt	351020020011	3	
12	O-ring	352010010181	2	
13	Oil separation base	301010130004	1	
14	Bonded Gasket	352010030034	1	
15	Screw	351010010034	1	
16	O-ring	352010010021	2	
17	Oil return valve	361030000006	2	
18	O-ring	352010010013	1	
19	Pressure gauge 0-16bar	359010000015	1	
20	Pressure gauge cover	363990000004	1	
21	Screw	351010030106	4	
22	Socket head screw	351010030195	4	
23	Minimum pressure valve screw	351020030010	1	
24	Minimum pressure valve nut	351020090023	1	
25	Minimum pressure valve body	301010170003	1	
26	O-ring	352010010073	1	
27	Gasket	351020040008	1	
28	Minimum pressure valve Spring	363020000008	1	
29	Minimum pressure valve rod	301010210002	1	
30	O-ring	352010010118	1	
31	Minimum pressure valve Spring	363020000007	1	
32	Minimum pressure valve bar	301010280003	1	
33	Sealing gasket	352020050020	1	
34	Gasket	351020040005	1	
35	Locknut	351010040062	1	