

Spare parts list

Material number: R902026384
Drawing: R902005561
Designation: AXIAL-PISTON PUMP
A4VG180EP2D1/32R-NTD02F691L-S**G*

Status of version: 12/2018

Date: 11.12.2018

Page: 1

Pos.	Material number	Designation	Quantity	
1		ROTARY GROUP	1 UNIT	L
2	R902015677	CONTROL	1 UNIT	L
3	R909608997	CONNECTION PLATE	1 UNIT	L
4	R909606246	INTERNAL GEAR PUMP	1 UNIT	L
5		CONTROL UNIT	1 UNIT	L
6	R902033757	FILTER	1 UNIT	L
10	R902015660	HOUSING	1 UNIT	
13	R902118898	PIVOT PIN	2 UNIT	
20	R909153862	SCREW PLUG	1 UNIT	D
21	R909153815	SCREW PLUG	1 UNIT	D
22	R909153816	SCREW PLUG	3 UNIT	D
24	R909083229	SCREW PLUG	1 UNIT	
25	R909085545	O-RING	1 UNIT	D

L = Assembly group D = Sealing element

Security notice:

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Pos.	Material number	Designation	Quantity	
26	R909153572	SCREW PLUG	1 UNIT	
31	R913016375	SLOTTED SPRING PIN	2 UNIT	
32	R909151692	SCREW PLUG	1 UNIT	D
33	R909153861	SCREW PLUG	1 UNIT	D
35	R909153364	SCREW PLUG	2 UNIT	D
37	R909156570	SCREW PLUG	1 UNIT	
46	R909435693	ECCENTRIC SCREW	1 UNIT	
47	R909152975	SEALING NUT	1 UNIT	D
48	R909151694	SCREW PLUG	1 UNIT	D
49	R909426709	NOZZLE	1 UNIT	

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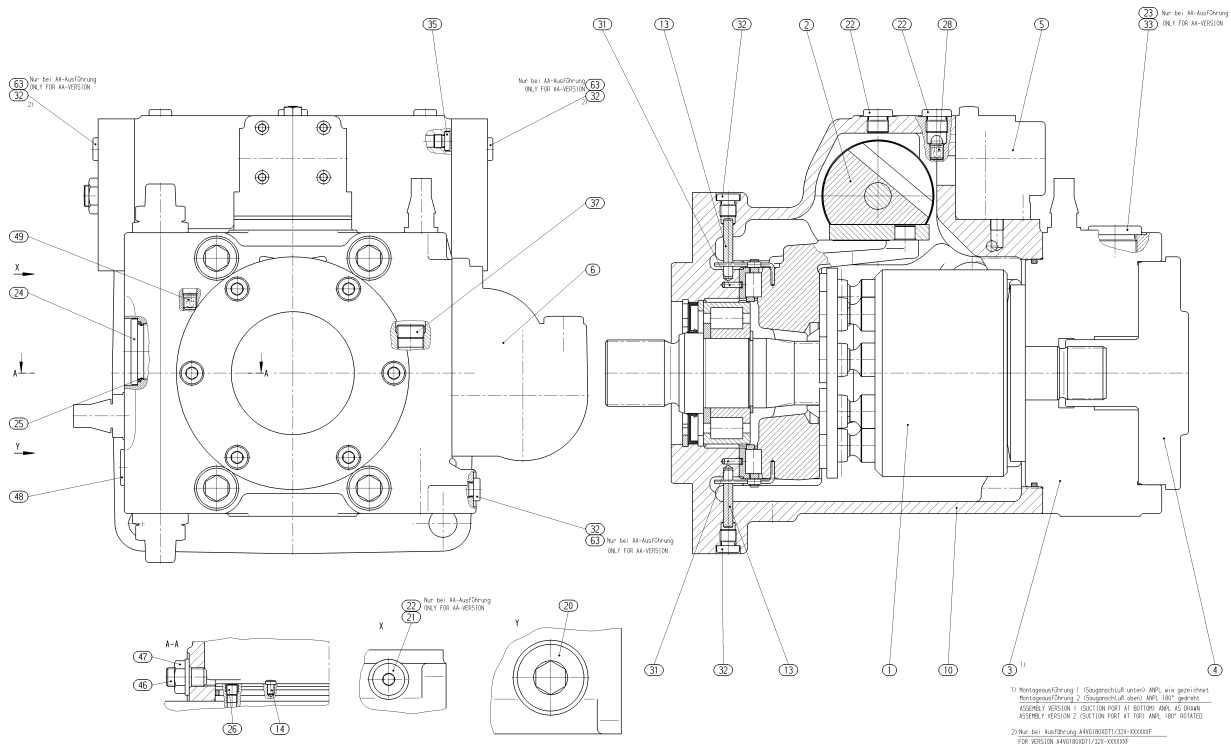
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Spare parts list

Material number:

Drawing: R902079192

Designation: ROTARY GROUP

Status of version: 12/2018

Date: 11.12.2018

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Pos.	Material number	Designation	Quantity	
1	R902105283	ROTARY GROUP	1 UNIT	L
2		CONTROL PLATE	1 UNIT	
12	R909445149	CRADLE	1 UNIT	
13	R909449034	SLIDER	1 UNIT	
14	R909921727	DRIVE SHAFT	1 UNIT	
17	R909403549	WIRE	2 UNIT	
26	R902066595	BEARING SHELL PAIR	1 UNIT	
31	R909157194	CYL. ROLLER BEARING	1 UNIT	
32	R909830146	CAGE PAIR	1 UNIT	
36	R909150122	RETAINING RING	1 UNIT	
37	R909154528	RETAINING RING	1 UNIT	
38	R902601822	SHAFT SEALING RING	1 UNIT	D
39	R902600142	RETAINING RING	1 UNIT	

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Drawing: R902079192

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Pos.	Material number	Designation	Quantity
98	R902002392	SEAL KIT	1 UNIT

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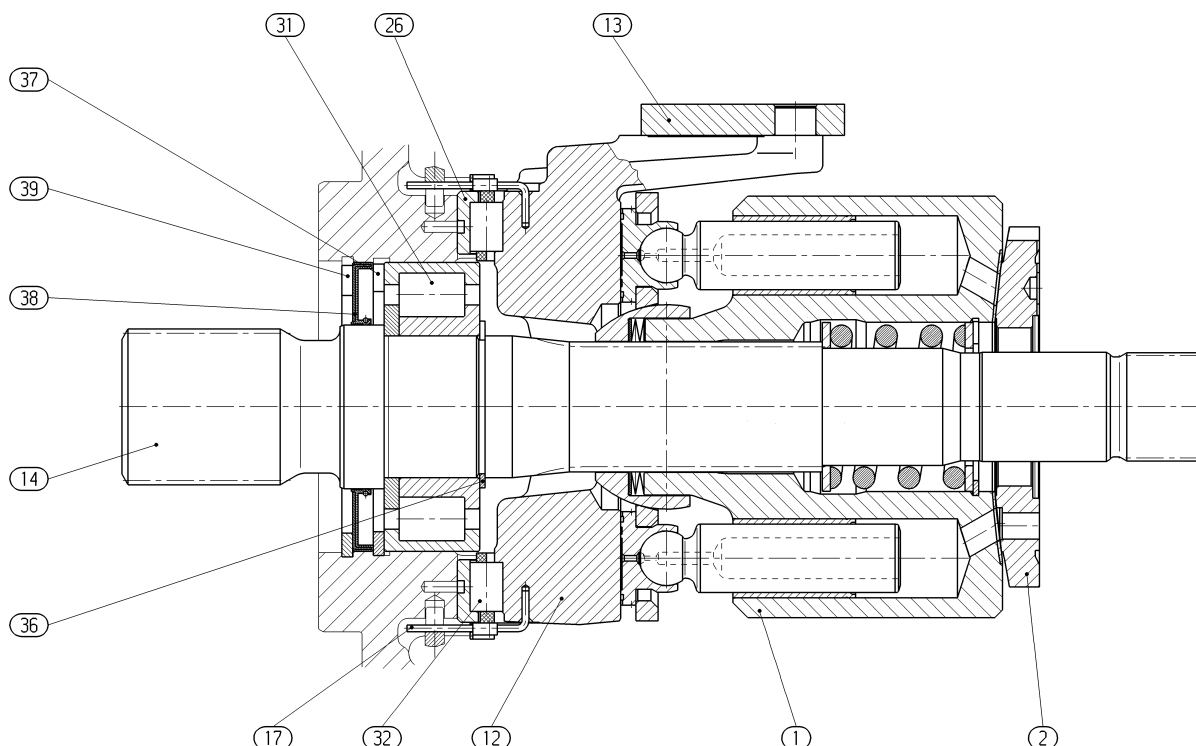
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Spare parts list

Material number: R902105283
Drawing: R902079201
Designation: ROTARY GROUP

Status of version: 12/2018

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Pos.	Material number	Designation	Quantity
1	R902105529	CYLINDER	1 UNIT
2	R902079125	PISTON PAD	9 UNIT
11	R902192960	CUP-SPRING STACK	1 UNIT
20	R909432995	SHIM RING	1 UNIT
20	R909432996	SHIM RING	1 UNIT
20	R909432997	SHIM RING	1 UNIT
20	R909432998	SHIM RING	1 UNIT
24	R902205457	RETAINING PLATE	1 UNIT
25	R902226671	RETAINING BALL	1 UNIT
27	R902105545	WASHER	2 UNIT
29	R909435429	COMPRESSION SPRING	1 UNIT
41	R909083408	RETAINING RING	1 UNIT

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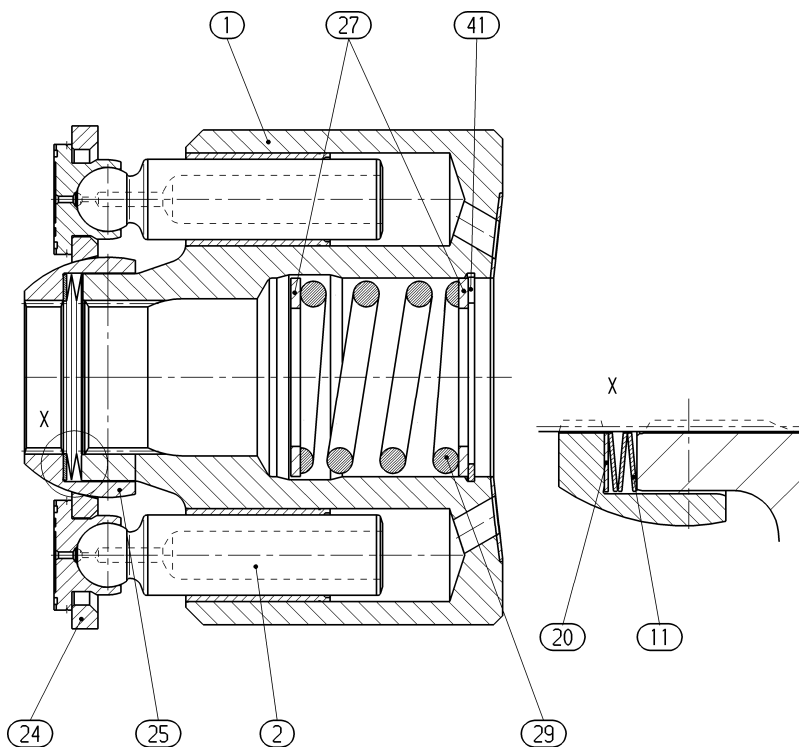
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Drawing: R902079201
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Spare parts list

Material number: R902015677
Drawing: R902015676
Designation: CONTROL

Status of version: 12/2018

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Pos.	Material number	Designation	Quantity	
1	R902025599	POSITIONING PISTON	1 UNIT	L
3	R902015674	COVER	1 UNIT	
4	R902015675	COVER	1 UNIT	
16	R909157477	HEXAGON NUT	1 UNIT	
17	R909083040	SOCKET HEAD CAP SCREW	8 UNIT	
20	R909083824	O-RING	2 UNIT	D
30	R902600840	ROD GUIDANCE RING	2 UNIT	
31	R902600274	ROD SEAL	2 UNIT	
98	R902002375	SEAL KIT	1 UNIT	

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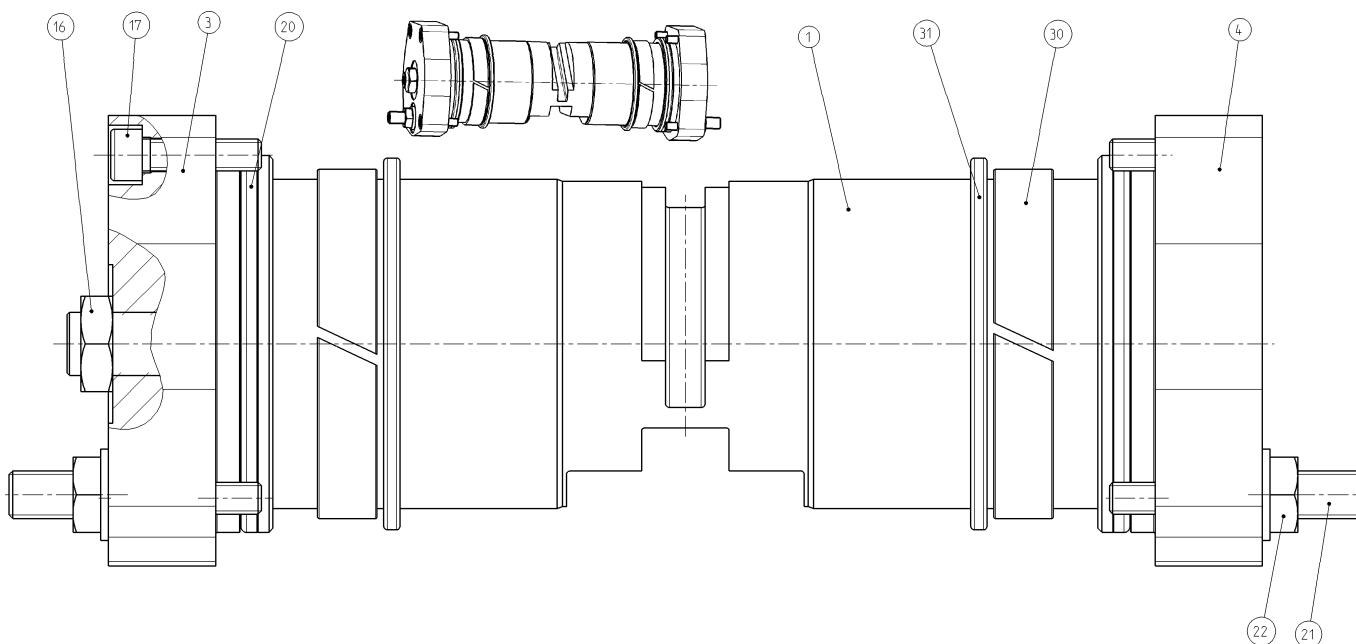
Drawing: R902015676

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Spare parts list

Material number: R902025599
Drawing: R902025572
Designation: POSITIONING PISTON

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Pos.	Material number	Designation	Quantity
1	R902213110	POSITIONING PISTON	1 UNIT
2	R909449242	ROD	1 UNIT
5	R902020493	RING	2 UNIT
5	R902020494	RING	2 UNIT
5	R902020495	RING	2 UNIT
5	R902020496	RING	2 UNIT
5	R902020497	RING	2 UNIT
5	R902020498	RING	2 UNIT
5	R902029756	RING	2 UNIT
5	R902029757	RING	2 UNIT
5	R902043149	RING	2 UNIT
6	R902600767	LOCATING RING	2 UNIT
7	R909449253	SPRING DISK	2 UNIT

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Drawing: R902025572
Designation: POSITIONING PISTON

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Pos.	Material number	Designation	Quantity	
8	R909436960	SPACER BUSHING	2 UNIT	
8	R909436961	SPACER BUSHING	2 UNIT	
8	R909436962	SPACER BUSHING	2 UNIT	
8	R909445799	SPACER BUSHING	2 UNIT	
8	R909445800	SPACER BUSHING	2 UNIT	
8	R909445801	SPACER BUSHING	2 UNIT	
10	R909436966	COMPRESSION SPRING	2 UNIT	
11	R909436965	COMPRESSION SPRING	2 UNIT	
15	R909083412	RETAINING RING	2 UNIT	
19	R909086333	O-RING	1 UNIT	D
23	R909449254	SPRING DISK	2 UNIT	

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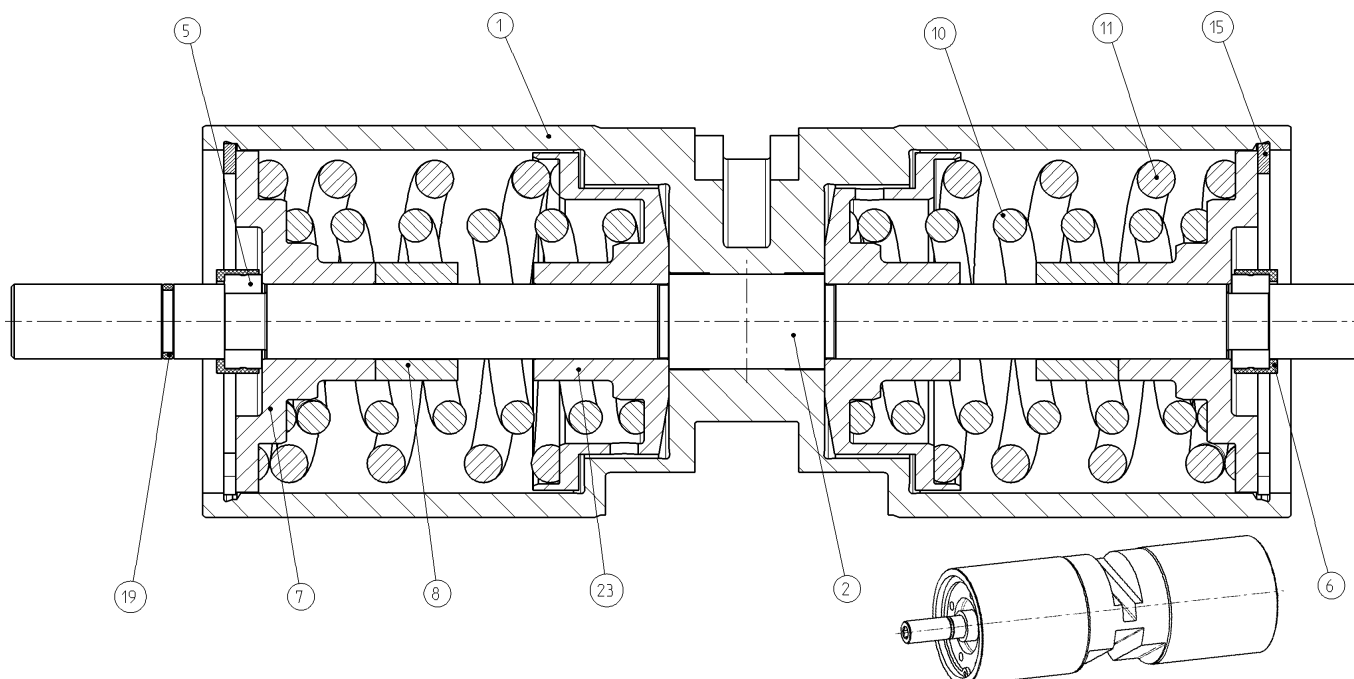
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Spare parts list

Material number: R909608997
Drawing: RA60479485
Designation: CONNECTION PLATE

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Page: 14

Pos.	Material number	Designation	Quantity	
1	R902603817	DELIVERY-VALVE ASSEMBLY	2 UNIT	L
2	R902228944	PRESSURE RELIEF VALVE	1 UNIT	L
3	R909433834	PRESSURE CUT-OFF VALVE	1 UNIT	L
5	R902222931	CONNECTION PLATE	1 UNIT	
6	R909449063	BUSHING	1 UNIT	
7	R909830008	SOCKET HEAD CAP SCREW	4 UNIT	
9	R909086427	O-RING	1 UNIT	D
11		DOUBLE BREAK-OFF PLUG	2 UNIT	
26	R909086333	O-RING	2 UNIT	D
35	R909151692	SCREW PLUG	3 UNIT	D
43	R909445670	BUSHING	1 UNIT	
44	R909426695	BUSHING	1 UNIT	
48		DOUBLE BREAK-OFF PLUG	2 UNIT	

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Material number: R909608997
Drawing: RA60479485
Designation: CONNECTION PLATE

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Pos.	Material number	Designation	Quantity	
55	R909157881	O-RING	1 UNIT	D
98	R902002402	SEAL KIT	1 UNIT	

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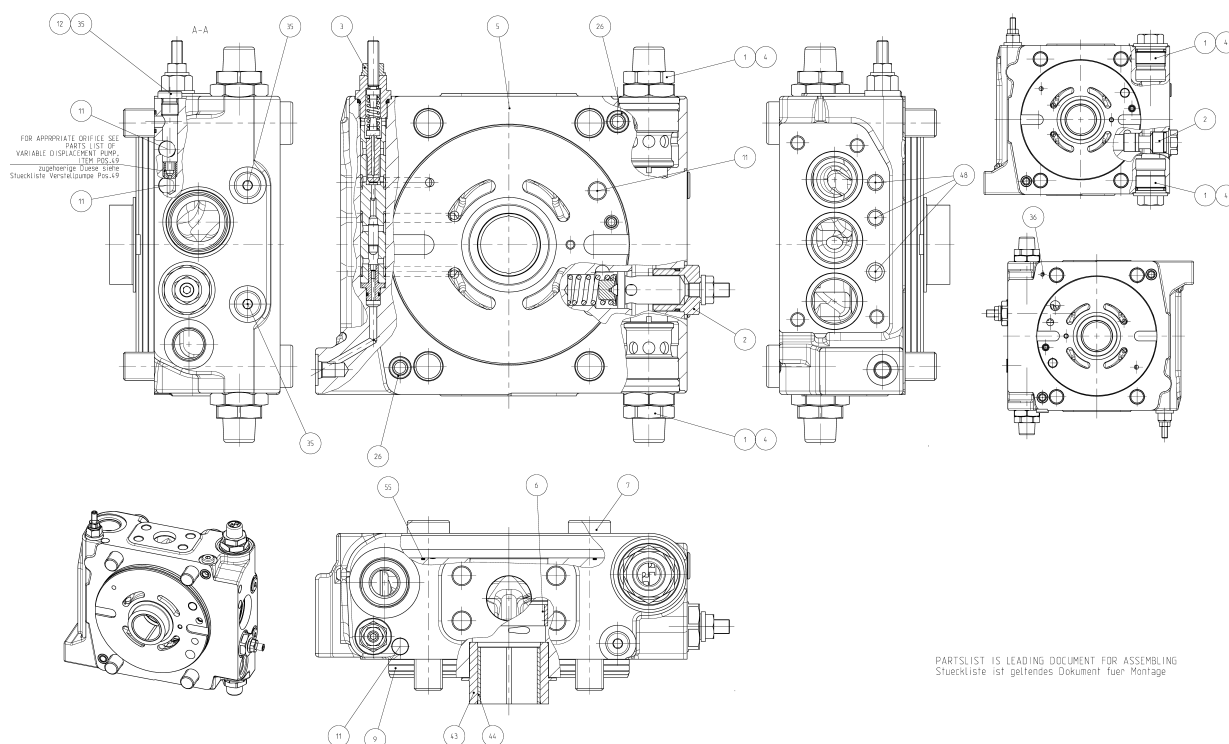
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Spare parts list

Material number: R902603817
Drawing:
Designation: DELIVERY-VALVE ASSEMBLY

Status of version: 12/2018

Date: 11.12.2018

Page: 17

Pos.	Material number	Designation	Quantity	
1	R901162844	PRESSURE RELIEF VALVE	1 UNIT	
98	R961000764	SEAL KIT	1 UNIT	L

L = Assembly group D = Sealing element

Security notice:

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Spare parts list

Material number: R961000764
Drawing: R961003655
Designation: SEAL KIT

Status of version: 12/2018

Date: 11.12.2018

Page: 18

Pos.	Material number	Designation	Quantity
37		O-RING	5 UNIT

L = Assembly group D = Sealing element

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Spare parts list

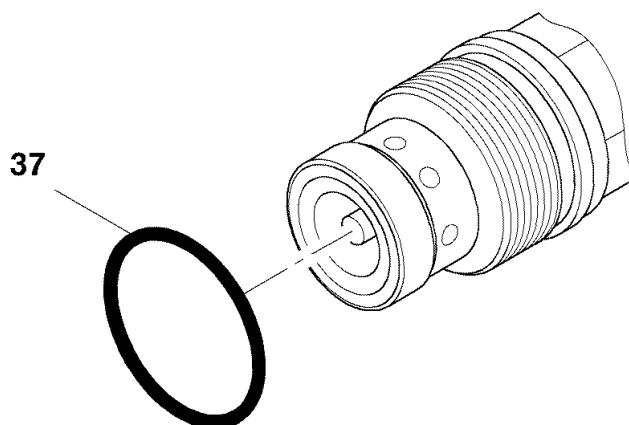
Material number: R961000764
Drawing: R961003655
Designation: SEAL KIT

Status of version: 12/2018

Date: 11.12.2018

Page: 19

Zeichnungs-Nr.: R961003655-A Typenschlüssel: MH-R/HN



L = Assembly group D = Sealing element

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Spare parts list

Material number: R902228944
Drawing: R902228958
Designation: PRESSURE RELIEF VALVE

Status of version: 12/2018

Date: 11.12.2018

Page: 20

Pos.	Material number	Designation	Quantity	
1	R902215626	SCREW PLUG	1 UNIT	
2	R902215627	ADJUSTING SCREW	1 UNIT	
3	R909436363	VALVE SPOOL	1 UNIT	
4	R902010344	SPRING DISK	1 UNIT	
5	R909436365	COMPRESSION SPRING	1 UNIT	
8	R909083763	O-RING	1 UNIT	D
9	R909153271	SEALING NUT	1 UNIT	D

L = Assembly group D = Sealing element

Security notice:

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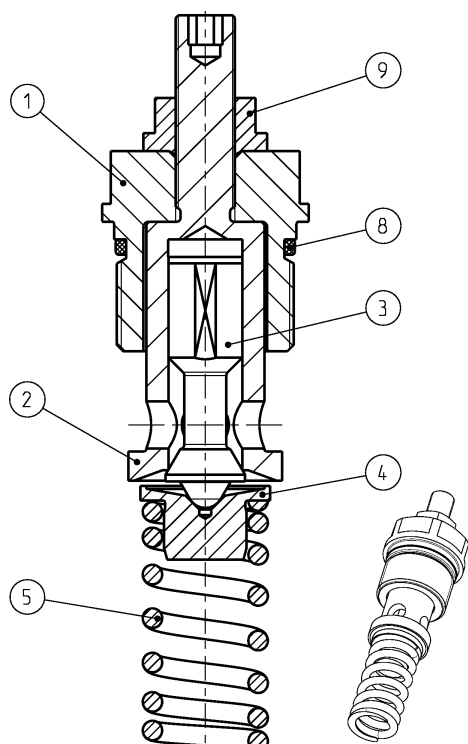
Spare parts list

Material number: R902228944
Drawing: R902228958
Designation: PRESSURE RELIEF VALVE

Status of version: 12/2018

Date: 11.12.2018

Page: 21



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Spare parts list

Material number: R909433834
Drawing: R909731064
Designation: PRESSURE CUT-OFF VALVE

Status of version: 12/2018

Date: 11.12.2018

Page: 22

Pos.	Material number	Designation	Quantity	
1	R909432376	SCREW PLUG	1 UNIT	
2	R909426552	VALVE BUSHING	1 UNIT	
3	R909432301	CONTROL PISTON	1 UNIT	
4	R909432163	PISTON	1 UNIT	
5	R909432164	VALVE SPOOL	1 UNIT	
6	R909432775	VALVE SEAT	1 UNIT	
7	R902168277	COMPRESSION SPRING	1 UNIT	
8	R902049851	SPRING DISK	2 UNIT	
9	R909432167	ADJUSTING SCREW	1 UNIT	
10	R909083757	O-RING	1 UNIT	D
14	R909152707	SEALING NUT	1 UNIT	D
15	R909086380	O-RING	1 UNIT	D

L = Assembly group D = Sealing element

Security notice:

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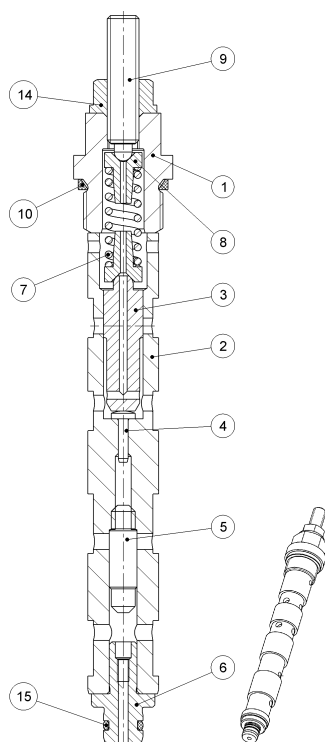
Spare parts list

Material number: R909433834
Drawing: R909731064
Designation: PRESSURE CUT-OFF VALVE

Status of version: 12/2018

Date: 11.12.2018

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L = Assembly group D = Sealing element

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Spare parts list

Material number: R909606246
Drawing: R902078146
Designation: INTERNAL GEAR PUMP

Status of version: 12/2018

Date: 11.12.2018

Page: 24

Pos.	Material number	Designation	Quantity	
1	R902078095	INTERNAL GEAR PUMP	1 UNIT	L
2	R902071444	WEAR PLATE	1 UNIT	
3	R913007069	HOLDING PLUG	2 UNIT	
98	R902002414	SEAL KIT	1 UNIT	

L = Assembly group D = Sealing element

Security notice:

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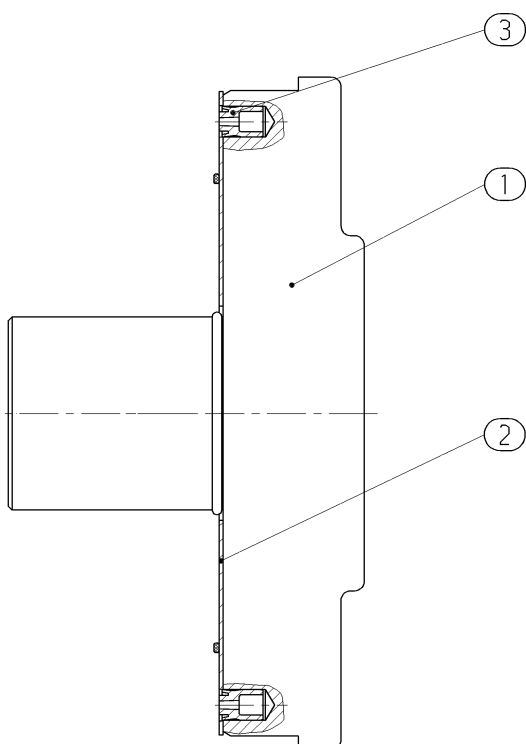
Spare parts list

Material number: R909606246
Drawing: R902078146
Designation: INTERNAL GEAR PUMP

Status of version: 12/2018

Date: 11.12.2018

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Spare parts list

Material number: R902078095
Drawing: R909723676
Designation: INTERNAL GEAR PUMP

Status of version: 12/2018

Date: 11.12.2018

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Pos.	Material number	Designation	Quantity	
1	R902071488	INTERMEDIATE FLANGE	1 UNIT	
3	R909449063	BUSHING	1 UNIT	
4	R909440016	INTERMEDIATE RING	1 UNIT	
5	R902099507	THROUGH DRIVE SHAFT	1 UNIT	
7	R902006265	WHEEL SET	1 UNIT	
8	R902099662	PARALLEL KEY	1 UNIT	
9	R909830236	SNAP RING	1 UNIT	
10	R909083063	SOCKET HEAD CAP SCREW	6 UNIT	
12	R909157881	O-RING	1 UNIT	D
19	R909086950	O-RING	1 UNIT	D
20		O-RING	1 UNIT	D

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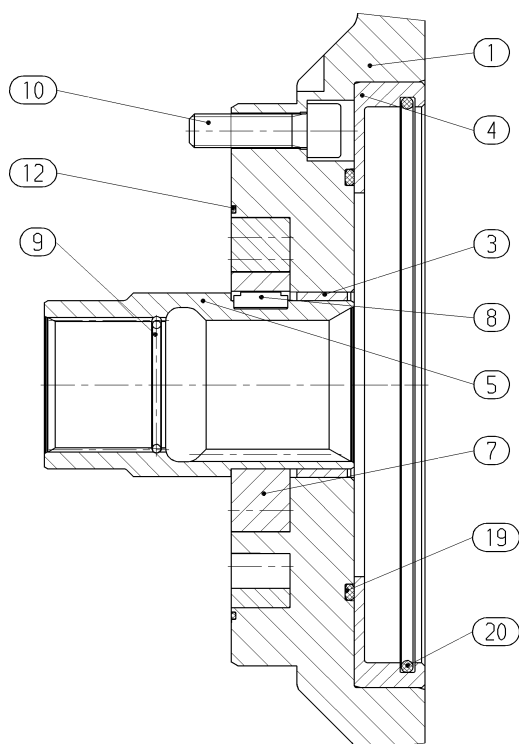
Spare parts list

Material number: R902078095
Drawing: R909723676
Designation: INTERNAL GEAR PUMP

Status of version: 12/2018

Date: 11.12.2018

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Spare parts list

Material number:

Drawing: R909726405

Designation: CONTROL UNIT

Status of version: 12/2018

Date: 11.12.2018

Page: 28

Pos.	Material number	Designation	Quantity	
1	R909602173	CONTROL MODULE	1 UNIT	L
3	R909443201	COVER	1 UNIT	
4	R909445713	EXTENSION SPRING	1 UNIT	
5	R909651478	SEAL	1 UNIT	D
9	R909085831	SOCKET HEAD CAP SCREW	4 UNIT	
10	R902600641	O-RING	1 UNIT	D
11	R909083737	O-RING	2 UNIT	D
12	R909086332	O-RING	5 UNIT	D
13	R909441692	PROPORTIONAL SOLENOID	2 UNIT	L
14	R913022796	PLUG-IN CONNECTOR	1 UNIT	
15	R913022795	PLUG-IN CONNECTOR	1 UNIT	
16	R909086380	O-RING	1 UNIT	D
98	R902002418	SEAL KIT	1 UNIT	

L = Assembly group D = Sealing element

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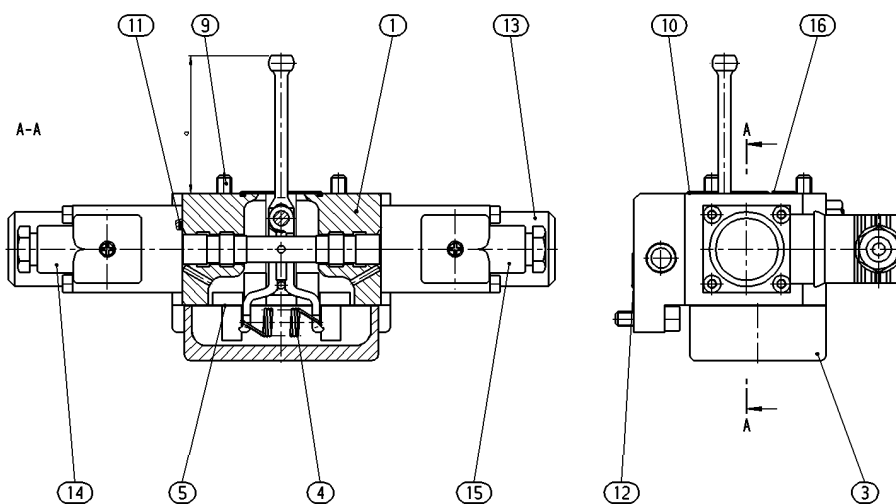
Drawing: R909726405

Designation: CONTROL UNIT

Status of version: 12/2018

Date: 11.12.2018

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06	20	22	25	31
"o"	35.3	38.3	55.4	74

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Spare parts list

Material number: R909602173
Drawing: R909726210
Designation: CONTROL MODULE

Status of version: 12/2018

Date: 11.12.2018

Page: 30

Pos.	Material number	Designation	Quantity	
1	R909602163	CONTROL HOUSING	1 UNIT	L
5	R902113669	FEEDBACK LEVER	1 UNIT	

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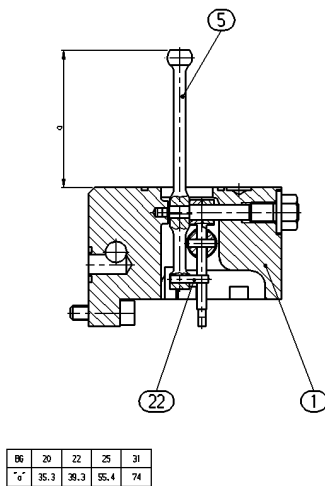
Spare parts list

Material number: R909602173
Drawing: R909726210
Designation: CONTROL MODULE

Status of version: 12/2018

Date: 11.12.2018

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Spare parts list

Material number: R909602163
Drawing: R909726084
Designation: CONTROL HOUSING

Status of version: 12/2018

Date: 11.12.2018

Page: 32

Pos.	Material number	Designation	Quantity
1	R902025385	HOUSING	1 UNIT
3	R902016481	CONTROL PISTON	1 UNIT
4	R909426573	LEVER	2 UNIT
6	R909426570	ECCENTRIC PIN	1 UNIT
21	R909083021	SOCKET HEAD CAP SCREW	2 UNIT
24	R909152707	SEALING NUT	1 UNIT
28		DOUBLE BREAK-OFF PLUG	1 UNIT
30	R913009677	STRAIGHT PIN	1 UNIT

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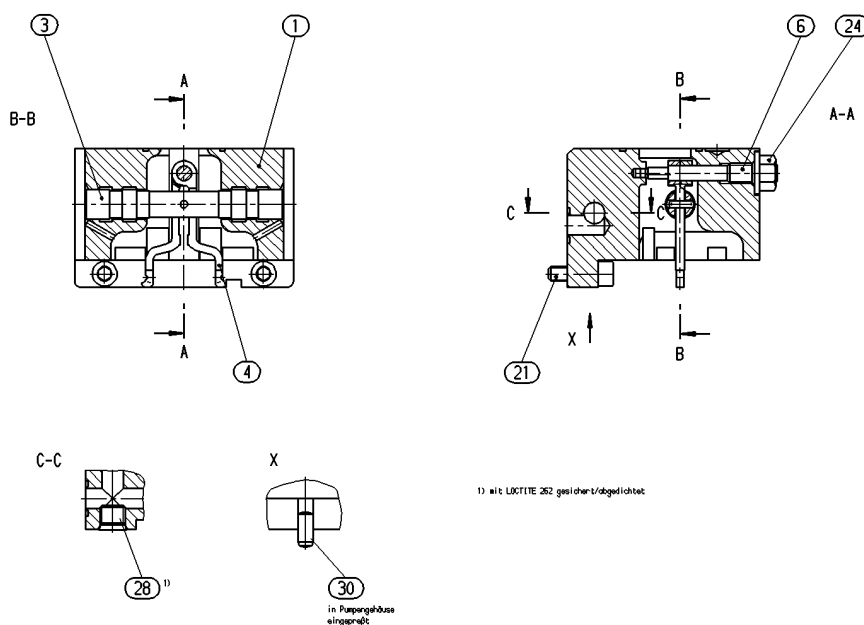
Spare parts list

Material number: R909602163
Drawing: R909726084
Designation: CONTROL HOUSING

Status of version: 12/2018

Date: 11.12.2018

Page: 33



L = Assembly group D = Sealing element

Security notice:

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Spare parts list

Material number: R909441692
Drawing: R909732691
Designation: PROPORTIONAL SOLENOID

Status of version: 12/2018

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Pos.	Material number	Designation	Quantity
1	R909830754	PROPORTIONAL SOLENOID	1 UNIT
2	R909086070	SOCKET HEAD CAP SCREW	4 UNIT

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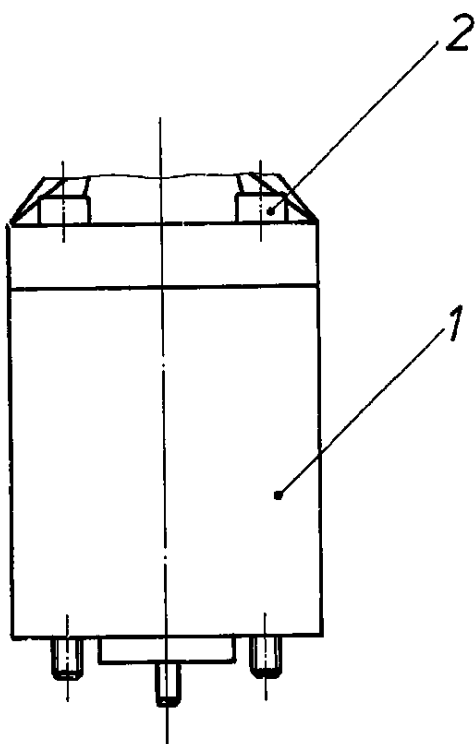
Spare parts list

Material number: R909441692
Drawing: R909732691
Designation: PROPORTIONAL SOLENOID

Status of version: 12/2018

Date: 11.12.2018

Page: 35



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Spare parts list

Material number: R902033757

Drawing:

Designation: FILTER

Status of version: 12/2018

Date: 11.12.2018

Page: 36

Pos.	Material number	Designation	Quantity	
2	R902077666	FILTER	1 UNIT	L
12	R909083060	SOCKET HEAD CAP SCREW	4 UNIT	
13	R909083769	O-RING	3 UNIT	D
98	R902002433	SEAL KIT	1 UNIT	

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Spare parts list

Material number: R902077666

Drawing:

Designation: FILTER

Status of version: 12/2018

Date: 11.12.2018

Page: 37

Pos.	Material number	Designation	Quantity	
1	R902041326	FILTER	1 UNIT	L
5	R928055257	CLOGGING INDICATOR	1 UNIT	

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Spare parts list

Material number: R902041326
Drawing: R902068311
Designation: FILTER

Status of version: 12/2018

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Pos.	Material number	Designation	Quantity	
1	R902040585	FILTER HEAD	1 UNIT	L
2	R902067321	FILTER HOUSING	1 UNIT	
3	R902603004	FILTER ELEMENT	1 UNIT	
7	R902601388	SPRING	1 UNIT	
10	R909085571	O-RING	1 UNIT	

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Spare parts list

Material number: R902041326

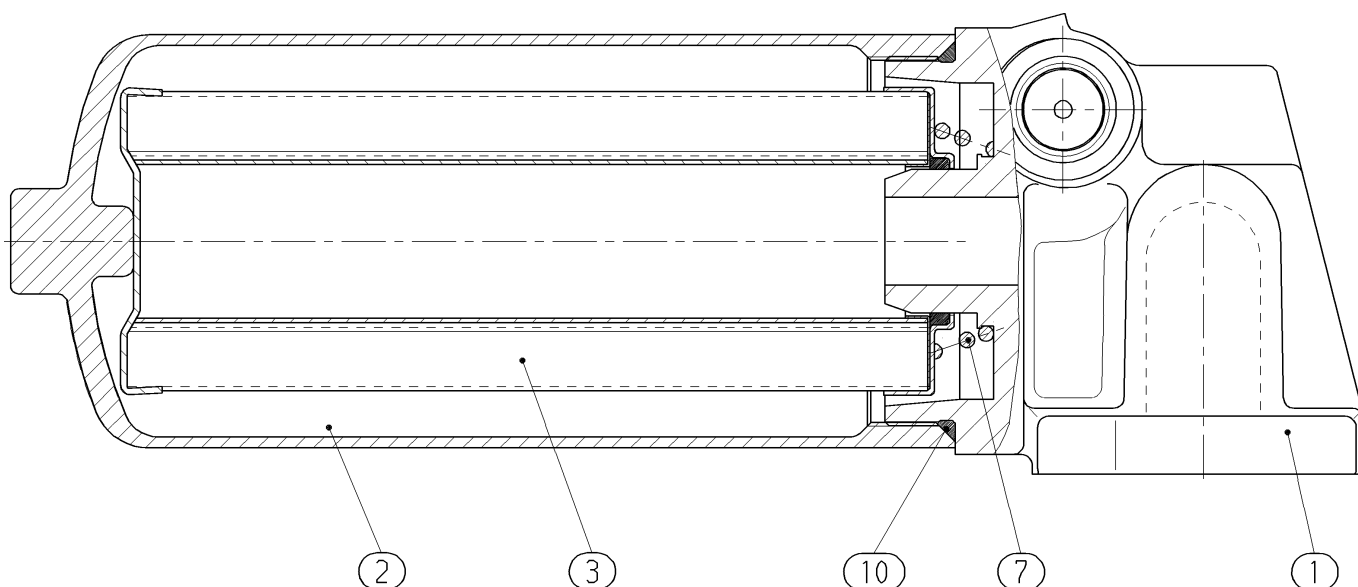
Drawing: R902068311

Designation: FILTER

Status of version: 12/2018

Date: 11.12.2018

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Spare parts list

Material number: R902040585
Drawing:
Designation: FILTER HEAD

Status of version: 12/2018

Date: 11.12.2018

Page: 40

Pos.	Material number	Designation	Quantity	
1	R902075872	FILTER HEAD	1 UNIT	
2	R902041128	COLD-START VALVE	1 UNIT	L
7		DOUBLE BREAK-OFF PLUG	1 UNIT	
9		SCREW PLUG	1 UNIT	

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Spare parts list

Material number: R902041128
Drawing: RA64308824
Designation: COLD-START VALVE

Status of version: 12/2018

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Pos.	Material number	Designation	Quantity	
2	R902041295	VALVE SPOOL	1 UNIT	
3	R909650234	VALVE SEAT	1 UNIT	
4		O-RING	1 UNIT	D
5	R909651440	COMPRESSION SPRING	1 UNIT	

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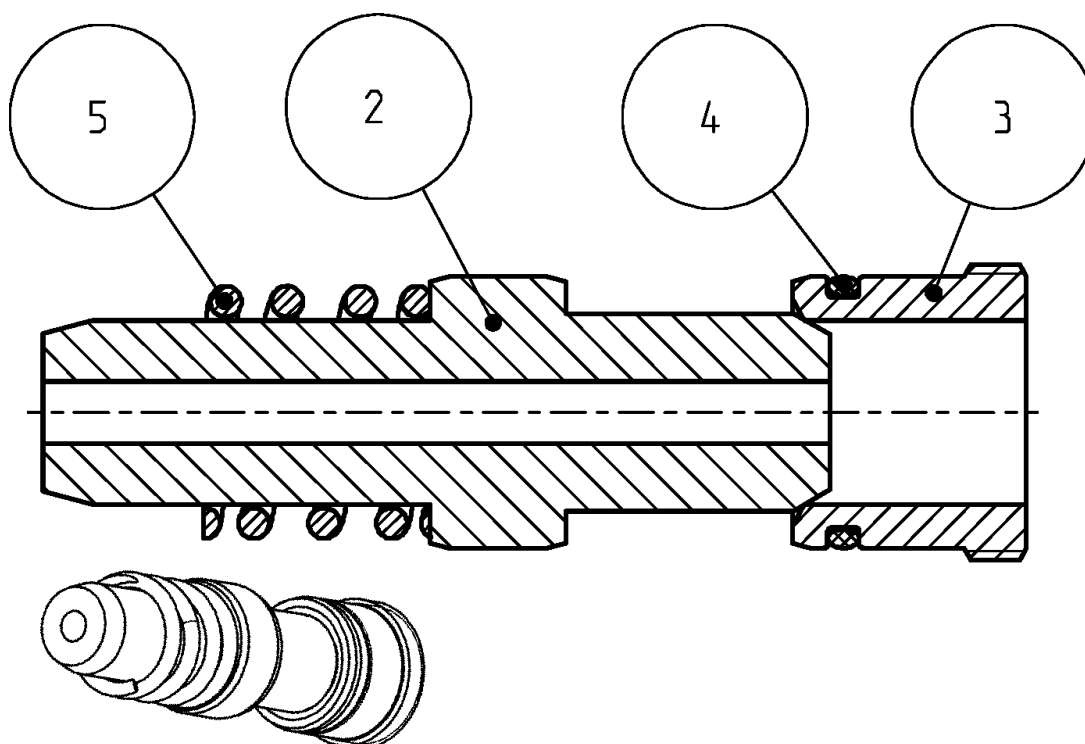
Spare parts list

Material number: R902041128
Drawing: RA64308824
Designation: COLD-START VALVE

Status of version: 12/2018

Date: 11.12.2018

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