



HYDRAULIC HAMMER

RAMMER 1533E

STD

Serial No.

1533EB0005-UP

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GENUINE RAMMER SPARE PARTS

Rammer genuine spare parts are designed and manufactured by using the latest technological knowledge and engineering skills. Rammer spare parts are made of the best available materials with the most advanced manufacturing techniques.

It is important that you use only genuine Rammer spare parts, to ensure easy operation, maintenance and repair of the product. Please note that eventual warranty claims will be handled only if you have used genuine Rammer parts in your Rammer.

LOCATION OF THE SERIAL NUMBER

It's important to make correct reference to the serial number of the product when ordering spare parts. Identification of serial number is the only proper means of maintaining and identifying parts for a specific product. The location of equipment serial number is pointed in "Operation and maintenance" manual.

SPARE PART ORDERS

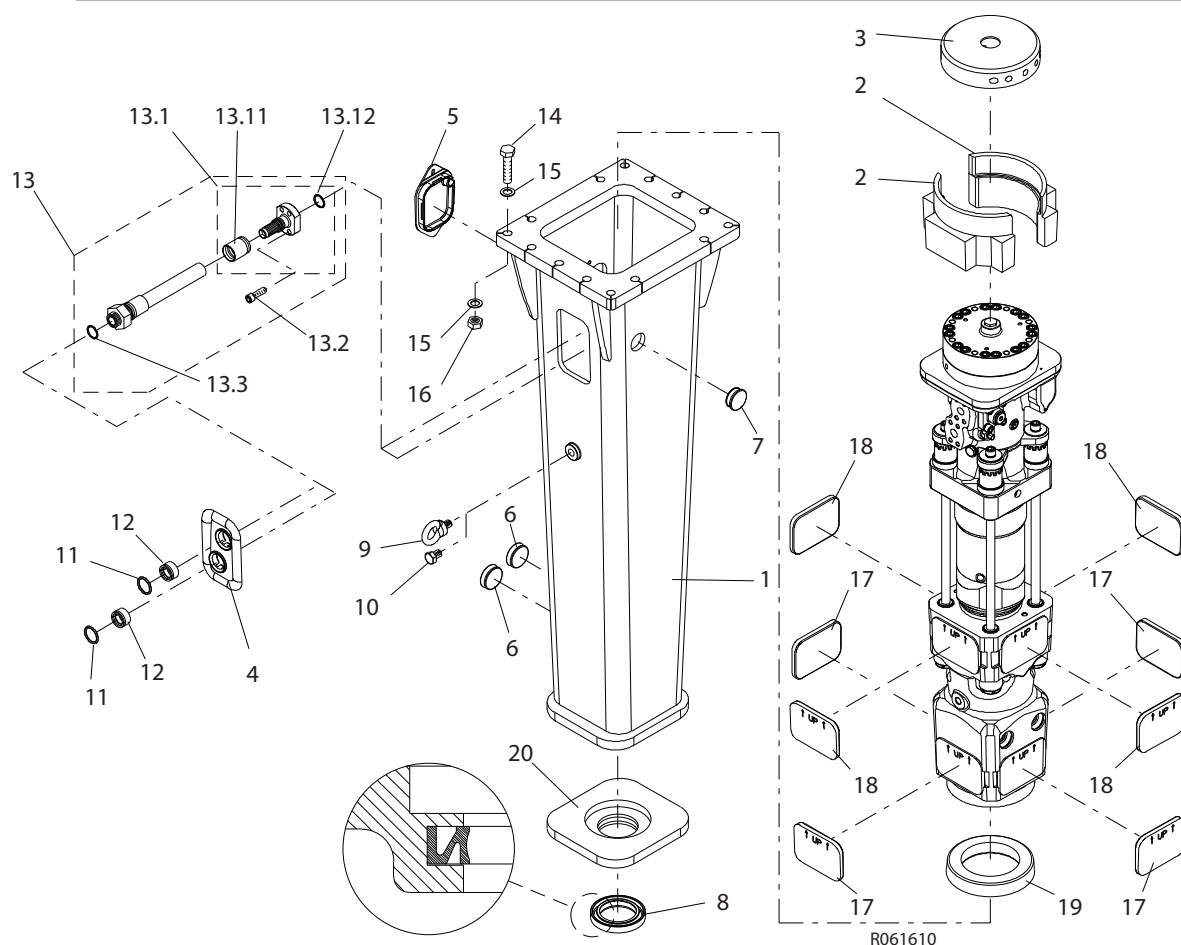
Quick spare part deliveries are secured by exact orders.

Required information:

- Name of customer and contact person
 - Order number (when available)
 - Delivery address
 - Mode of delivery (air mail etc.)
 - Required delivery date
 - Invoicing address
 - Model and serial number of the product
 - Name, number and required amount of spare parts
-

PARTS

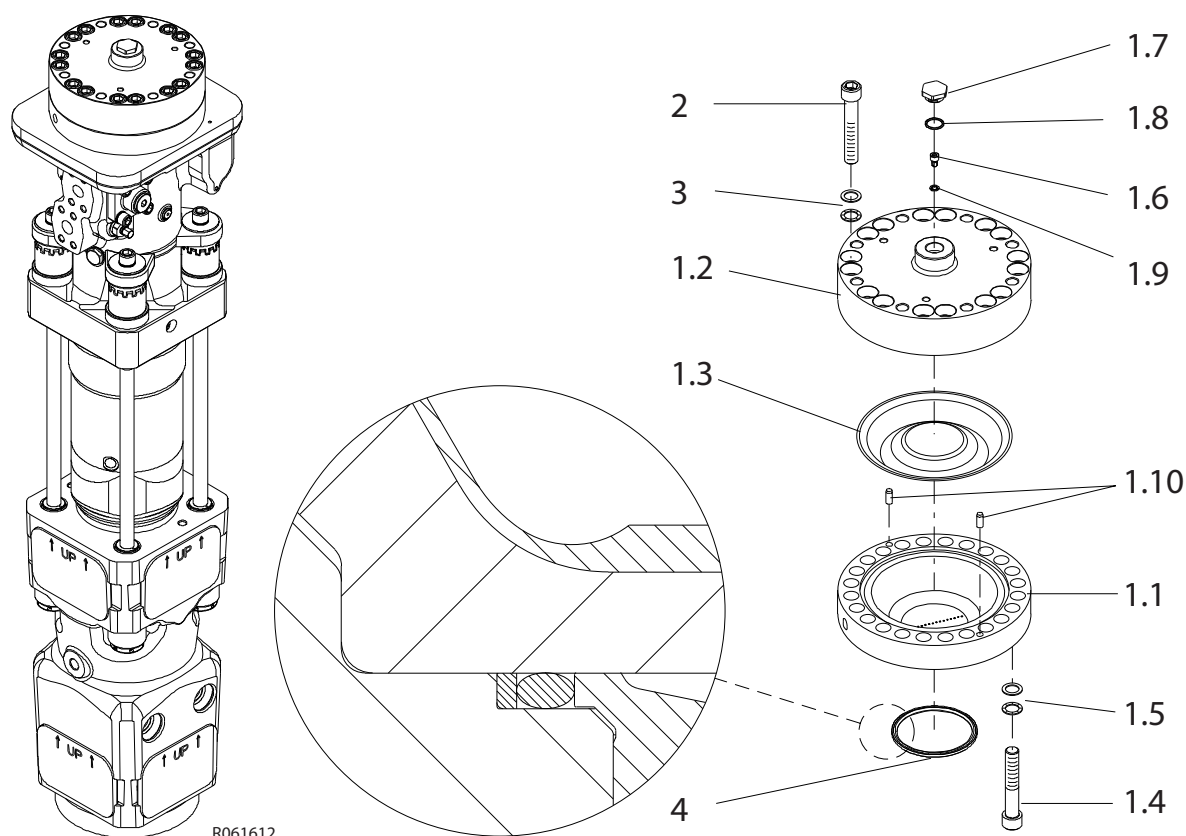
1. HOUSING UNIT



Item	Description	Part no.	Specification	Note	Qty
1	Housing	163106			1
2	Pad	163367			2
3	Buffer	163097			1
4	Shield plate	164417			1
5	Service hatch	164386			1
6	Plug	161833			2
7	Plug	163946			1
8	Seal	163287			1
9	Lifting eye	90605	M24 DIN 580		1
10	Hex. screw	900025	M24x35-8.8 ISO 4017		1
11	O-ring	910009	D41		2
12	Bushing	164418			2
13	Hose assembly (incl. parts 13.1-13.3)	952691	L=600		2
13.1	Hose coupling (incl. parts 13.11-13.12)	400637			1
13.11	Bushing	164418			1
13.12	O-ring	90010	D33		1
13.2	Hex. socket screw	90564	M12x40-8.8 ISO 4762		4
13.3	O-ring	954330	D24		1
14	Hex. screw	90589	M24x110-12.9 ISO 4014		14

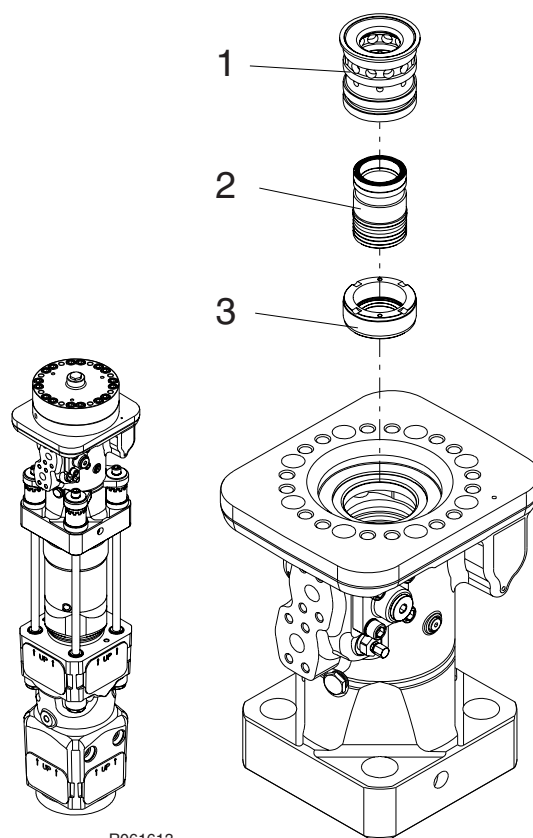
Item	Description	Part no.	Specification	Note	Qty
15	Washer	90511	24 ISO 7416		14
16	Lock nut	90507	M24-12 DIN 985		14
17	Wear plate	163114			4
18	Wear plate	163374			4
19	Buffer	172980			1
20	Bottom plate	163111			1
30	Label set (incl. part 30.1)	178378			1
30.1	Safety label set	169400	English		1

2. ACCUMULATOR



Item	Description	Part no.	Specification	Note	Qty
1	Accumulator (incl. parts 1.1-1.10)	163070			1
1.1	Accumulator bottom	163068			1
1.2	Accumulator cover	163069			1
1.3	Membrane	20604			1
1.4	Accumulator screw	952700	M20x80-8.8 ISO 4762		8
1.5	Lock washer	91010	M20 NORD-LOCK		8
1.6	Filling plug	40368			1
1.7	Shield plug	154015			1
1.8	O-ring	910006	D23	*	1
1.9	Usit-ring	90056	8-13.9-1	*	1
1.10	Parallel pin	90342	10x30 ISO 8734		2
2	Accumulator screw	902706	M16x110-8.8 ISO 4762		16
3	Lock washer	90597	M16 NORD-LOCK		16
4	Seal	163331		*	1
	*) Are included in seal set				

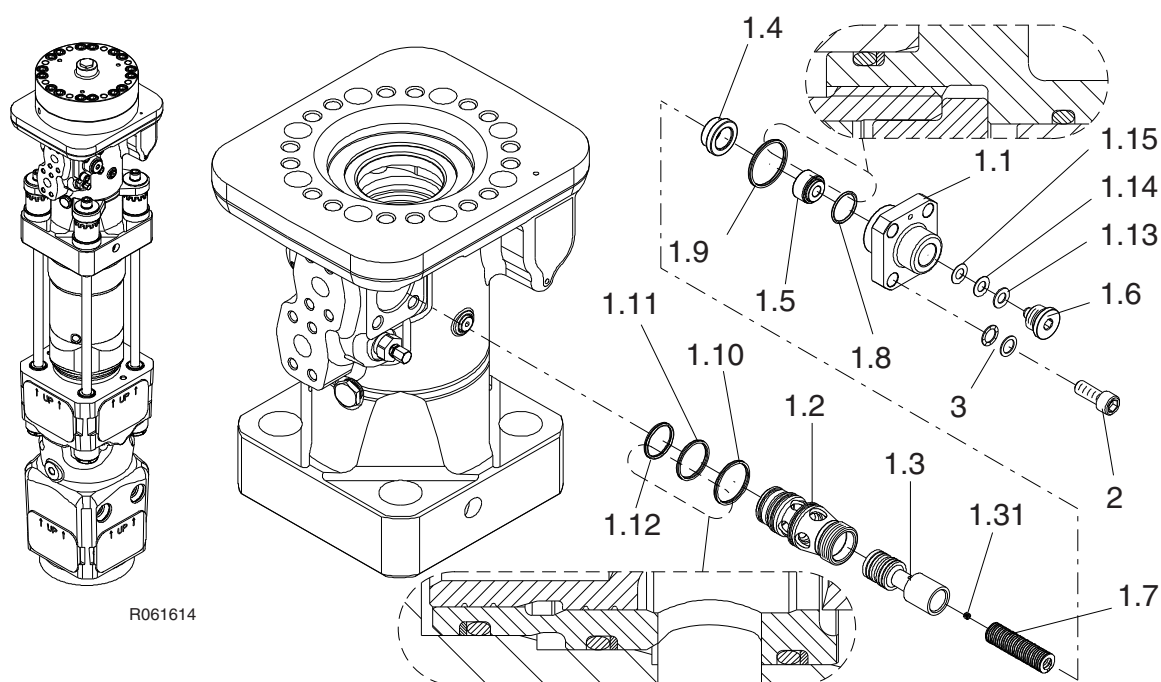
3. MAIN VALVE



R061613

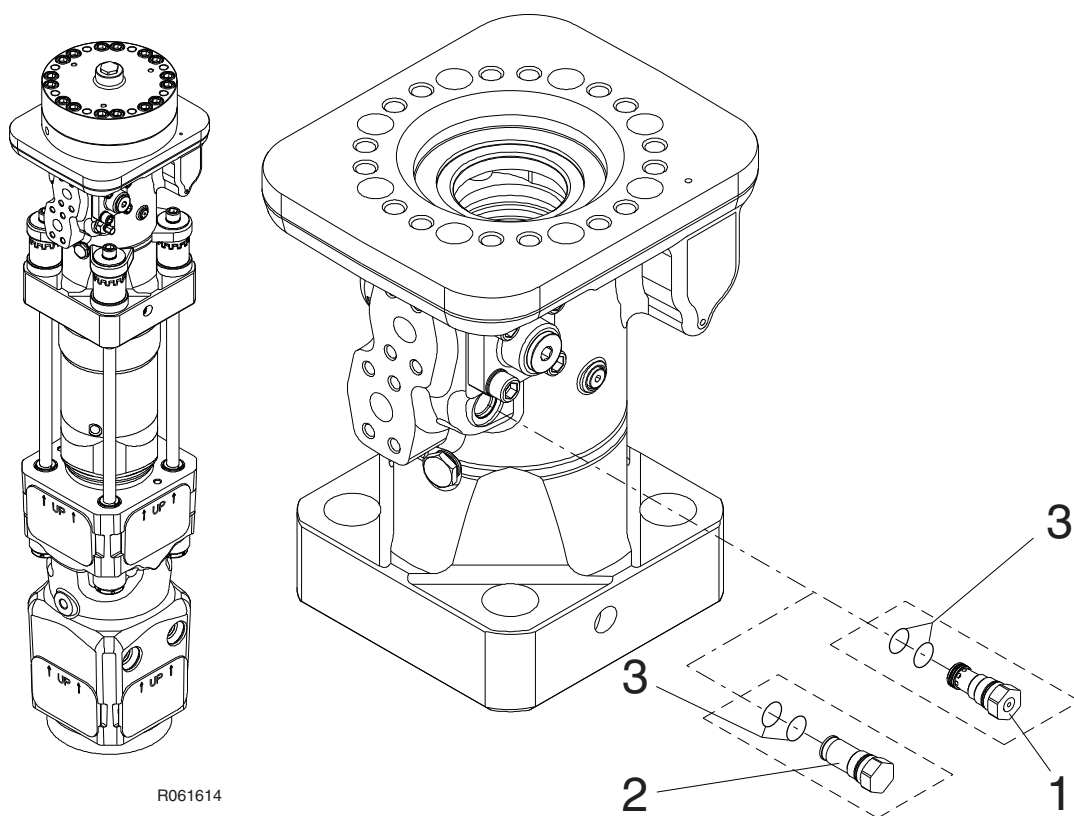
Item	Description	Part no.	Specification	Note	Qty
1	Slide ring	162984			1
2	Distributor	162982			1
3	Assembly ring	162983			1

4. PRESSURE CONTROL VALVE



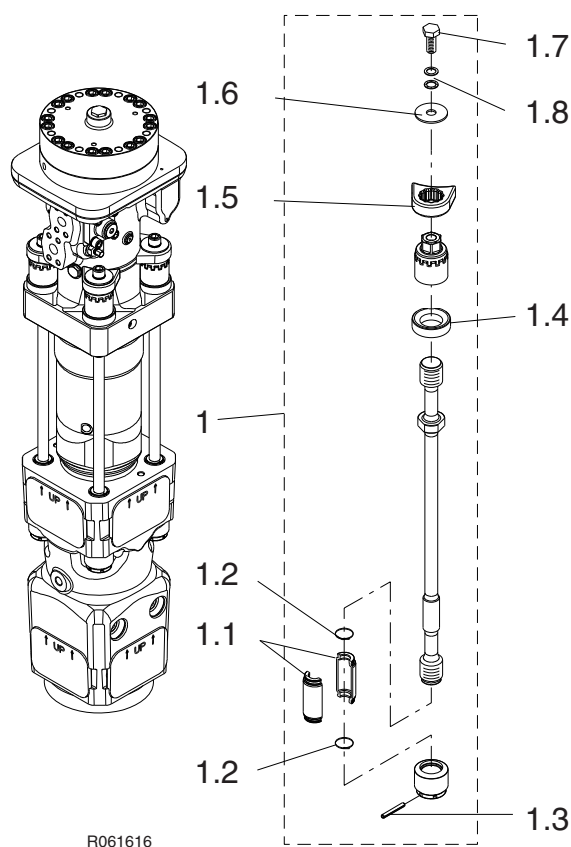
Item	Description	Part no.	Specification	Note	Qty
1	Pressure control valve (incl. parts 1.1-1.15)	170017			1
1.1	Cover	160617			1
1.2	Valve housing	169887			1
1.3	Spool (incl. part 1.31)	170016			1
1.31	Nozzle	101466			1
1.4	Bushing	155615			1
1.5	Spring guide	155611			1
1.6	Plug	112512			1
1.7	Spring	90104			1
1.8	O-ring	90017	D34	*	1
1.9	Seal	41374	D55	*	1
1.10	Seal	41375	D50	*	1
1.11	Seal	41376	D45	*	1
1.12	Seal	113138	D40	*	1
1.13	Shim plate	174182	S=0.75		X
1.14	Shim plate	41793	S=1		X
1.15	Shim plate	41794	S=0.5		X
2	Hex. socket screw	91100	M16x40-8.8 ISO 4762		4
3	Lock washer	90597	M16 NORD-LOCK		4
	*) Are included in seal set				

5. RELIEF VALVE



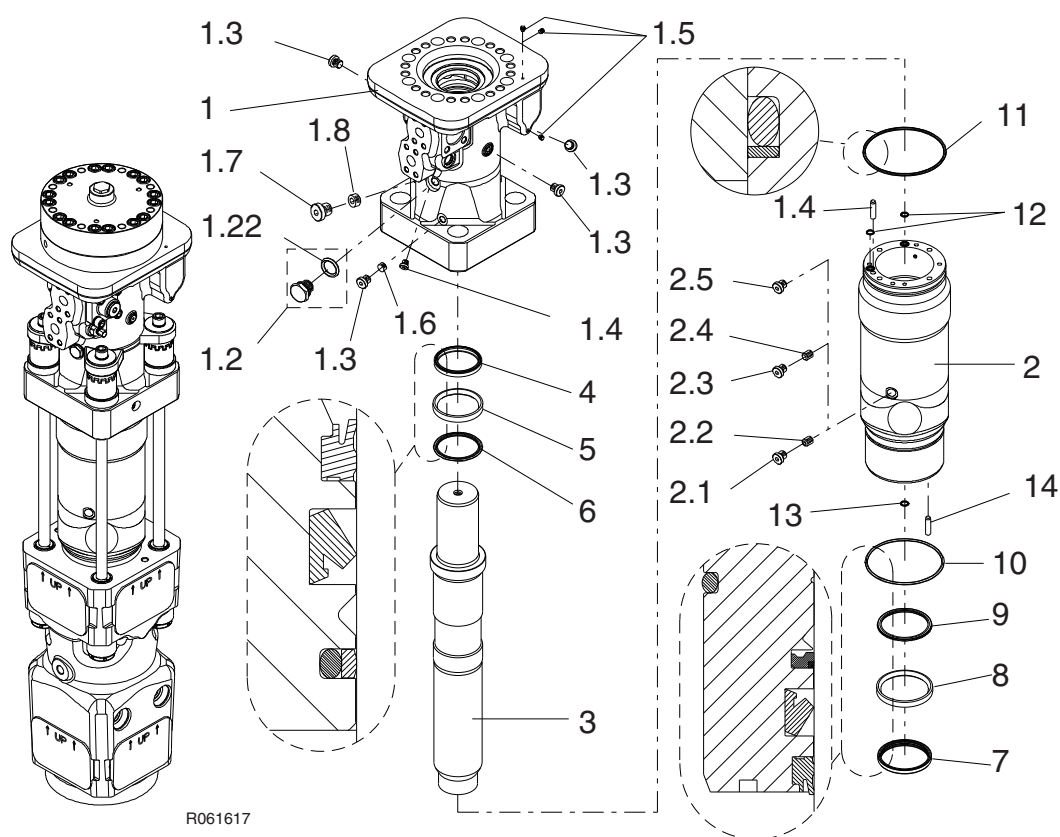
Item	Description	Part no.	Specification	Note	Qty
1	Relief valve (incl. part 3)	951600			1
2	Plug (incl. part 3)	163118	Optional		1
3	Seal set for relief valve	951692		*	1
	*) Are included in seal set				

6. TIE RODS



Item	Description	Part no.	Specification	Note	Qty
1	Tie rod (incl. parts 1.1-1.8)	169943			4
1.1	Vibration dampening element	163272			2
1.2	Cable tie	952009			2
1.3	Split pin	954007	8x55 ISO 8752	*	1
1.4	Washer	162993			1
1.5	Lock plate	162995			1
1.6	Washer	162996			1
1.7	Hex. screw	91128	M16x40-8.8 ISO 4017		1
1.8	Lock washer	90597	M16 NORD-LOCK		1
	*) Are included in seal set				

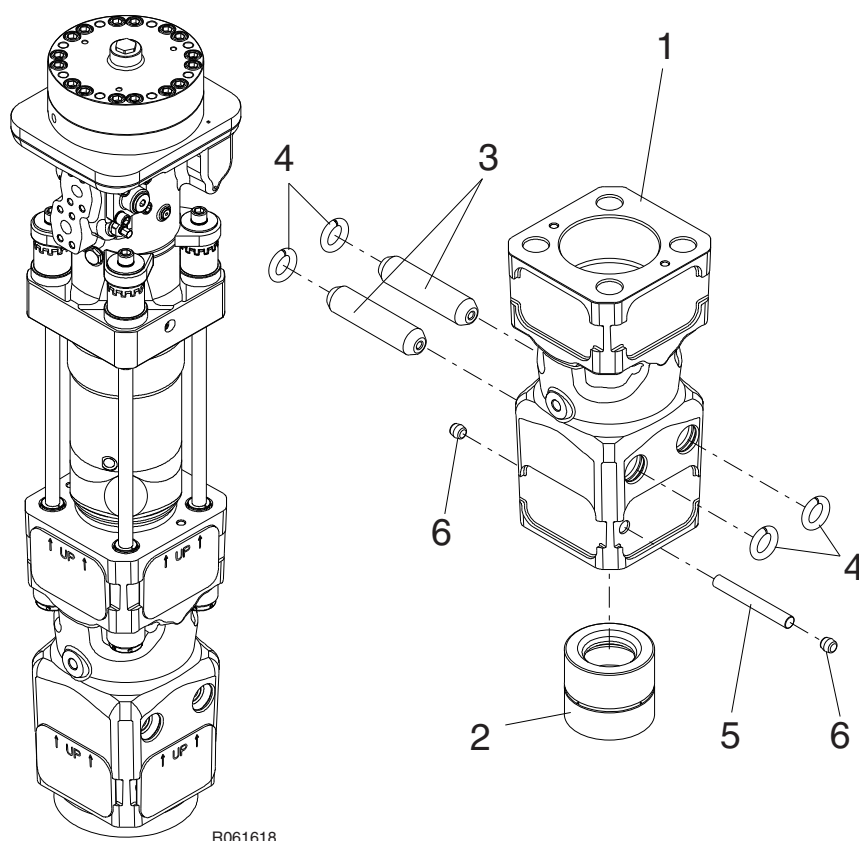
7. BODY PARTS



Item	Description	Part no.	Specification	Note	Qty
1	Valve body (incl. parts 1.2-1.8)	170945			1
1.2	Breather (incl. part 1.22)	101200			1
1.22	O-ring	902122	D24	*	1
1.3	Flange plug	90403	R1/4		4
1.4	Flange plug	93203	R1/8		1
1.5	Plug	915028			3
1.6	Nozzle	161922			1
1.7	Flange plug	90444	R3/8		1
1.8	Plug	93125			1
2	Cylinder (incl. parts 2.1-2.5)	171405			1
2.1	Flange plug	90403	R1/4, softened stroke		1
2.2	Nozzle	167862	softened stroke		1
2.3	Flange plug	90403	R1/4, normal stroke		1
2.4	Screw	952544	M10x12 ISO 4026, normal stroke		1
2.5	Flange plug	90403	R1/4, idle stroke prevention		1
3	Piston	163010			1
4	Wiper	952629	D85	*	1
5	Seal	950149	D85	*	1
6	Seal	151217	D85	*	1
7	Wiper	951544	D100	*	1
8	Seal	950150	D100	*	1
9	Seal	952630	D100	*	1

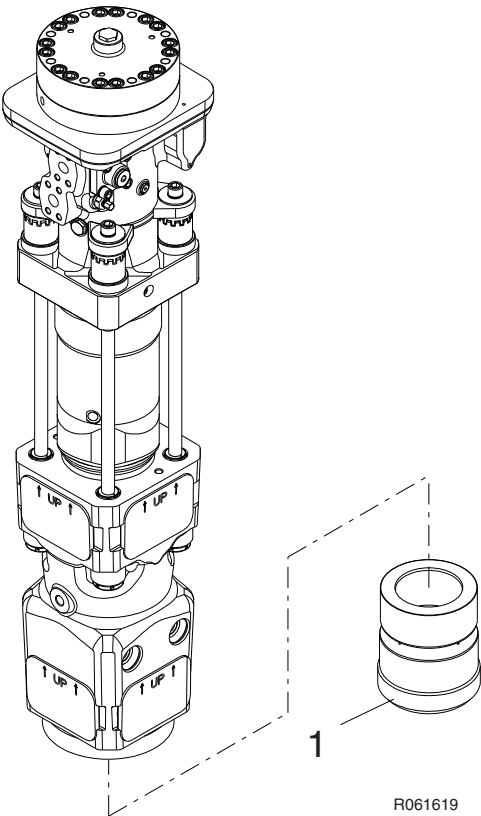
Item	Description	Part no.	Specification	Note	Qty
10	O-ring	94076	D159	*	1
11	Seal	162360		*	1
12	O-ring	950058	D12	*	2
13	O-ring	94035	D13	*	1
14	Parallel pin	90342	10x30 ISO 8734		2
	*) Are included in seal set				

8. FRONT HEAD



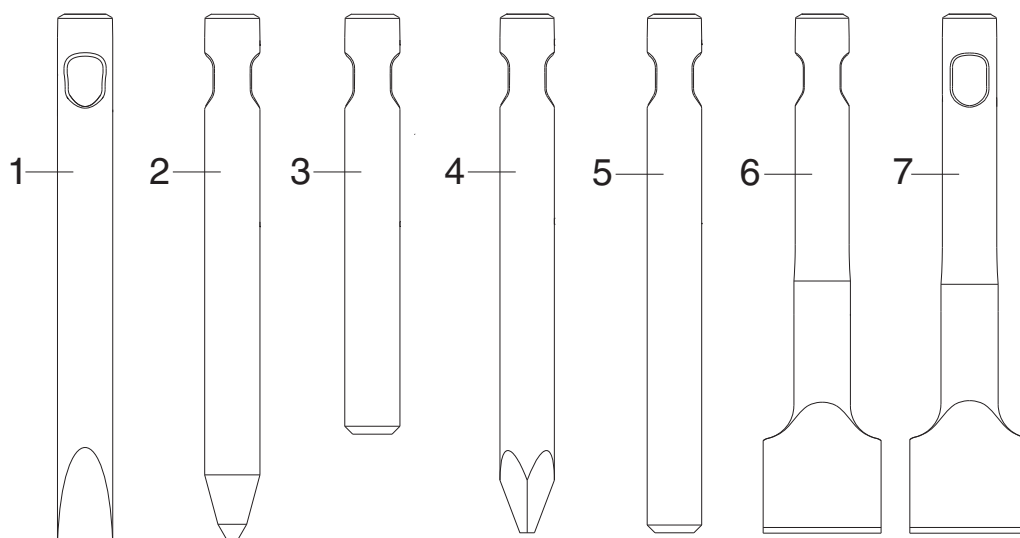
Item	Description	Part no.	Specification	Note	Qty
1	Front head	170947			1
2	Upper tool bushing	162957			1
3	Tool retaining pin	163252			2
4	Ring	163293			4
5	Retaining pin	163390			1
6	Rubber plug	104876			2

9. LOWER TOOL BUSHING



Item	Description	Part no.	Specification	Note	Qty
1	Lower tool bushing	162958			1

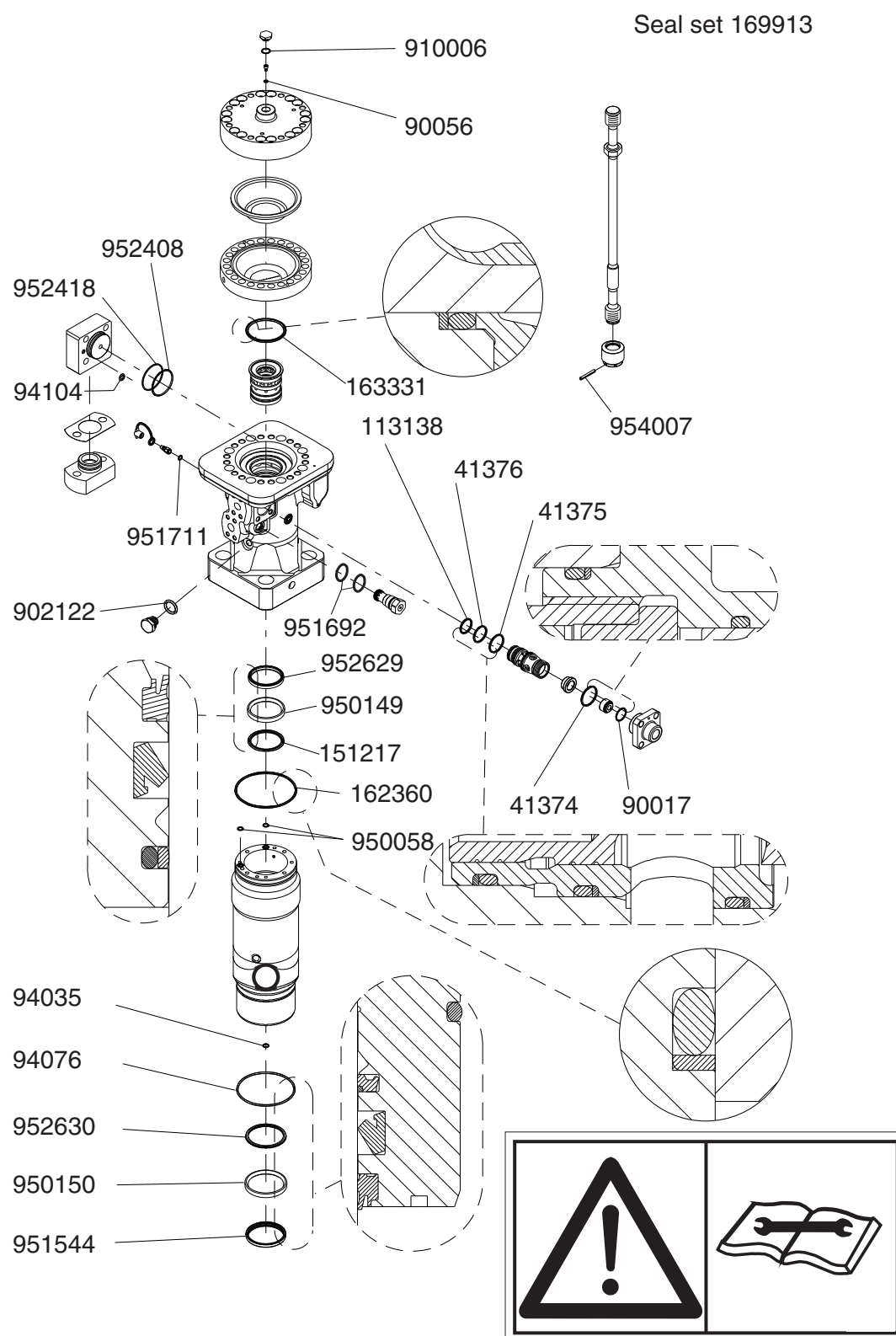
10. TOOL



R061628

Item	Description	Part no.	Specification	Note	Qty
1	Chisel	331	L = 1000 mm, W = 62.4 kg, D = 105 mm		1
2	Moil point	333	L = 1000 mm, W = 61.8 kg, D = 105 mm		1
3	Blunt	334	L = 800 mm, W = 53.2 kg, D = 105 mm		1
4	Pyramid	333K3	L = 1000 mm, W = 62.4 kg, D = 105 mm		1
5	Long blunt	334C1	L = 1000 mm, W = 66.5 kg, D = 105 mm		1
6	Spade, parallel to boom	335	L = 1000 mm, W = 61.9 kg, Width = 230 mm		1
7	Spade, transverse to boom	336	L = 1000 mm, W = 61.9 kg, Width = 230 mm		1

11. SEAL SET

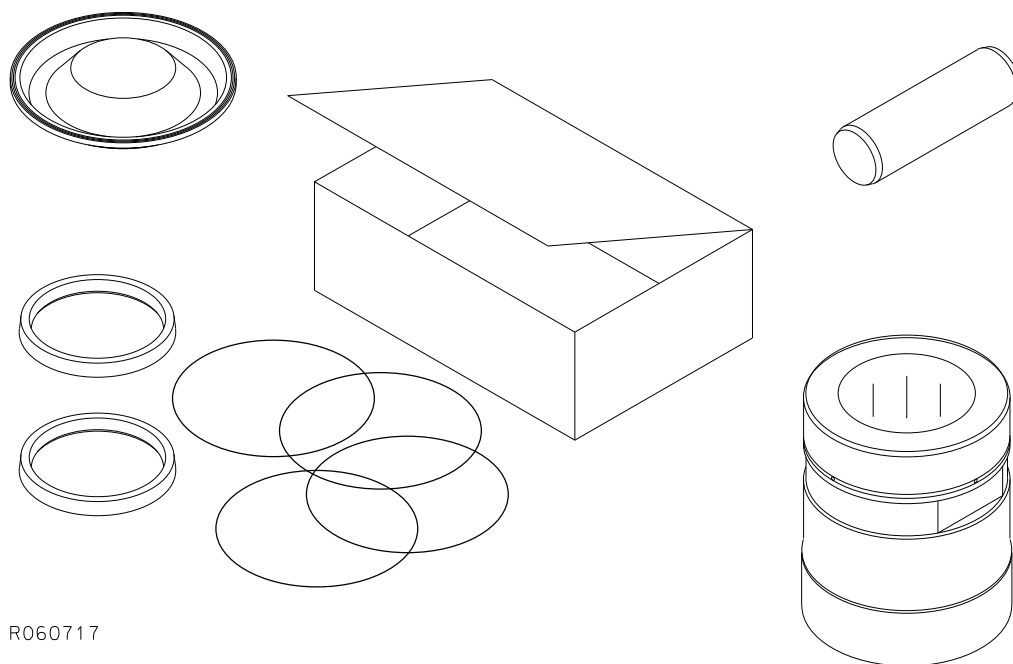


This summary only indicates the position of the seals. It must NOT be used as assembly instruction. Read the service manual. Notice! Assembly must be performed by qualified service personnel only.

R061119

Item	Description	Part no.	Specification	Note	Qty
Kit	Seal set (incl. parts 1-26)	169913			1
1	O-ring	902122	D24		1
2	Wiper	952629	D85		1
3	Seal	950149	D85		1
4	Seal	151217	D85		1
5	Wiper	951544	D100		1
6	Seal	950150	D100		1
7	Seal	952630	D100		1
8	O-ring	94076	D159		1
9	Seal	162360			1
10	O-ring	950058	D12		2
11	O-ring	94035	D13		1
12	O-ring	910006	D23		1
13	Usit-ring	90056	8-13.9-1		1
14	O-ring	90017	D34		1
15	Seal	41374	D55		1
16	Seal	41375	D50		1
17	Seal	41376	D45		1
18	Seal	113138	D40		1
19	Seal set for relief valve	951692			1
20	USIT-ring	951711	U 13.7-20-1.5		1
21	O-ring	94104	D6		1
22	O-ring	952408	D63		1
23	Supporting ring	952418			1
25	Seal	163331			1
26	Split pin	954007	8x55 ISO 8752		4
	The seals for greasing device are not included in this seal set. They are included in the service kit for greasing device.				

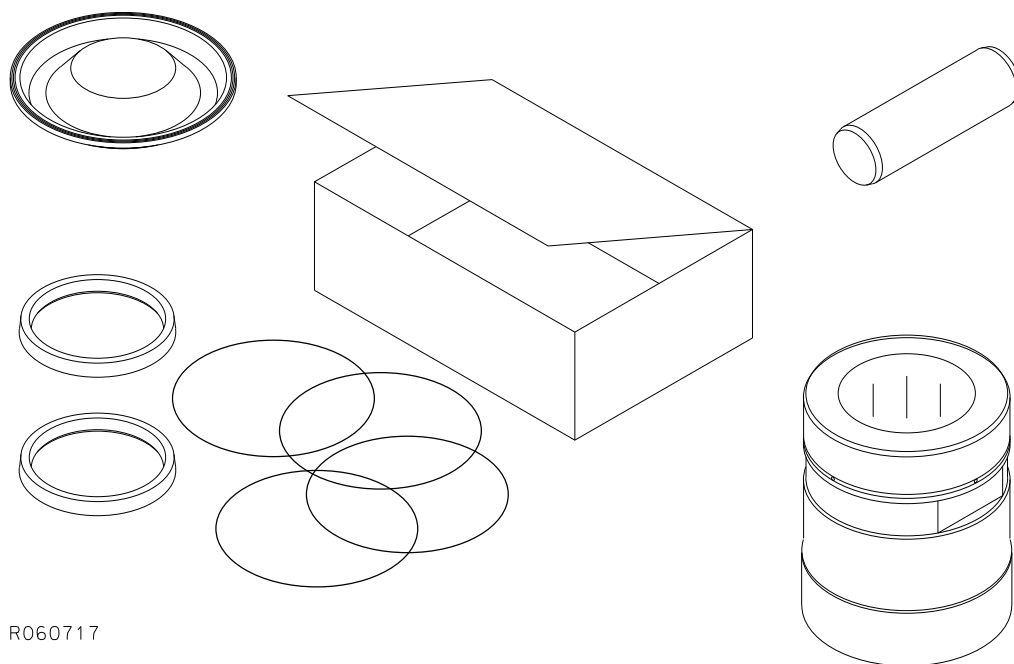
12. SERVICE KIT



R060717

Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 4)	K11533			1
1	Membrane	20604			1
2	Tool retaining pin	163252			2
3	Lower tool bushing	162958			1
4	Seal set	169913			1

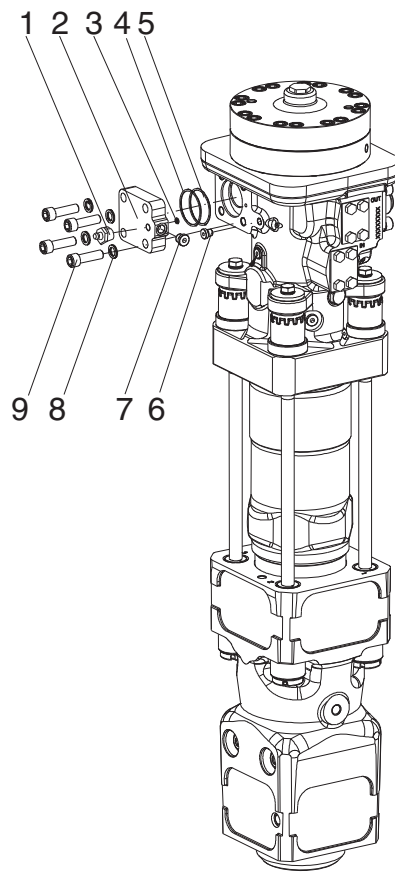
13. SERVICE KIT 2



R060717

Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 6)	K21533			1
1	Pad	163367			2
2	Buffer	163097			1
3	Wear plate	163114			4
4	Wear plate	163374			4
5	Buffer	172980			1
6	Upper tool bushing	162957			1

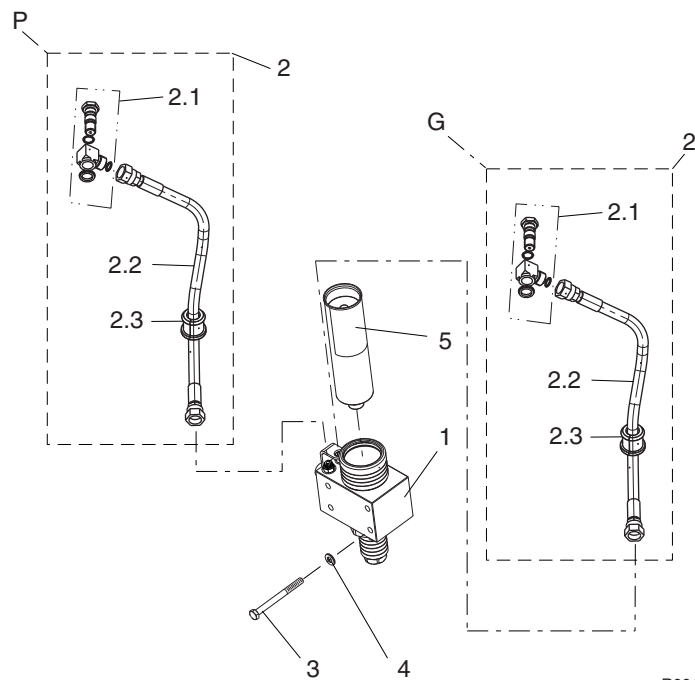
14. GREASING BLOCK FOR MANUAL GREASING



R061694

Item	Description	Part no.	Specification	Note	Qty
Kit	Greasing block for manual greasing (incl. parts 1-7)	162803			1
1	Grease nipple	90200	R1/4		1
2	Cover	170490			1
3	O-ring	94104	D6	*	1
4	Supporting ring	952418		*	1
5	O-ring	952408	D63	*	1
6	Flange plug	90403	R1/4		1
7	Flange plug	90444	R3/8		1
8	Lock washer	90597	M16 NORD-LOCK		4
9	Hex. socket screw	901309	M16x55-8.8 ISO 4762		4
	*) Are included in hammers seal set				

15. GREASING DEVICE RAMLUBE II KIT



R061697

Item	Description	Part no.	Specification	Note	Qty
1	Greasing device RG541	953344			1
2	Hose assembly (incl. parts 2.1-2.3)	173524			2
2.1	Fitting	152729			2
2.2	Hose	955449	441/KCJ47-6-4-SP01/L=450		2
2.3	Rubber plug	179835			2
3	Hex. screw	953794	M10x110-8.8 ISO 4014		4
4	Lock washer	953503	M10 NL10sp NORD-LOCK		4
5	Grease cartridge	951370	Special tool grease, Greasing device cartridge. Greasing device cartridges are also sold in boxes of 24.		1

This exploded view diagram illustrates the assembly of a mechanical component, likely a valve or actuator. The parts are numbered as follows:

- 1**: Main body or housing.
- 2**: Small cylindrical pin or plug.
- 3**: Small cylindrical pin or plug.
- 4**: L-shaped bracket or lever arm.
- 5**: Small cylindrical pin or plug.
- 6**: Flange or end cap.
- 7**: Threaded rod or screw.
- 8**: Washer or spacer.
- 9**: Small cylindrical pin or plug.
- 10**: Large cylindrical component, possibly a piston or plunger.
- 11**: O-ring or seal.
- 12**: Small cylindrical pin or plug.
- 13**: O-ring or seal.
- 14**: Small cylindrical pin or plug.
- 15**: Threaded rod or screw.
- 16**: Spring.
- 17**: Piston rod or shaft.
- 18**: Piston pin or bush.
- 19**: Flange or end cap.
- 20**: Small cylindrical pin or plug.
- 21**: Small cylindrical pin or plug.

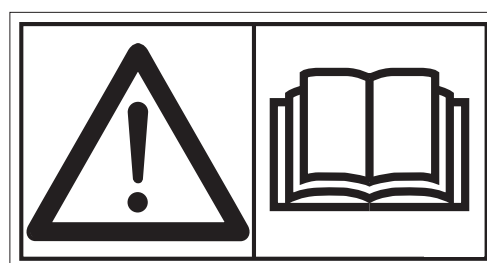
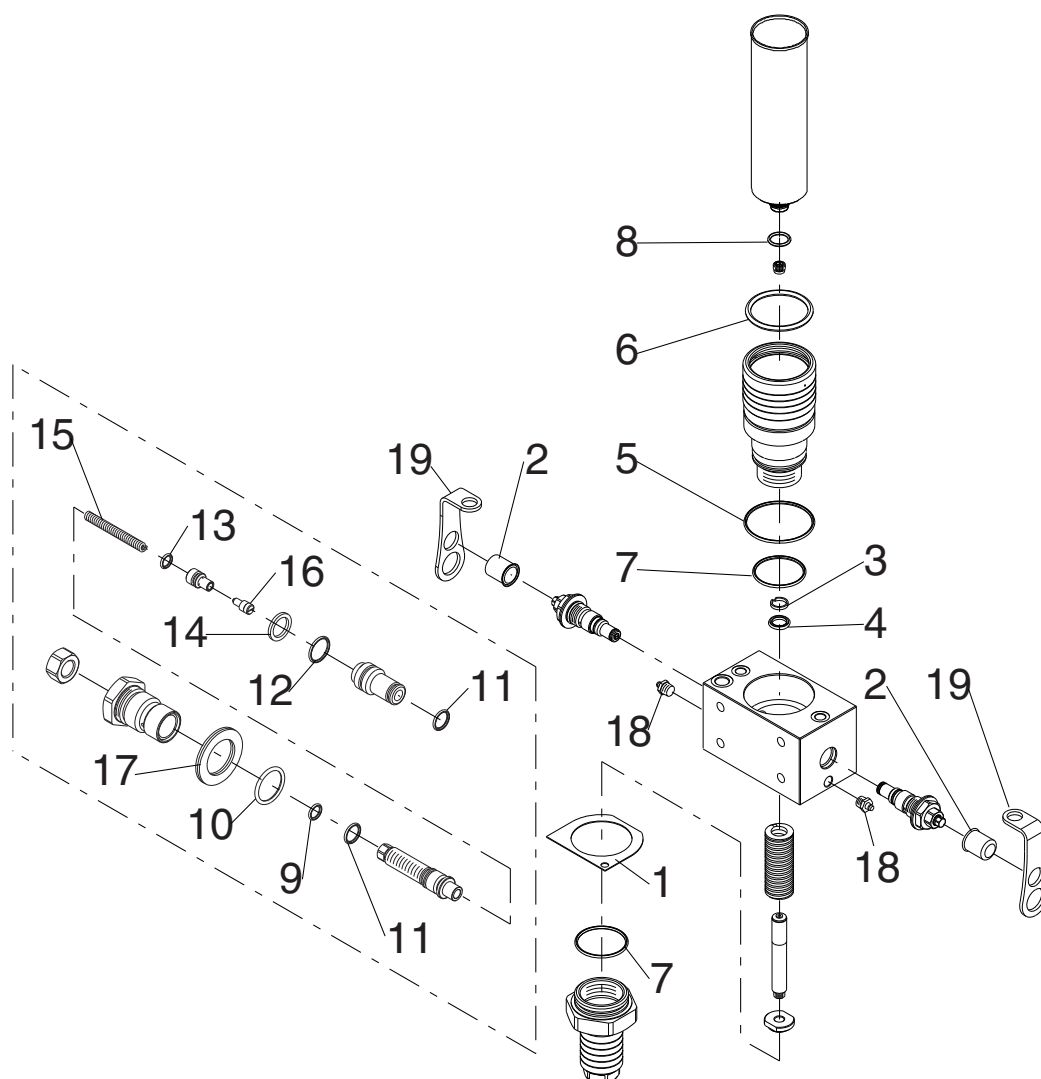
The diagram shows the assembly sequence from the main body (1) and flange (6) up to the final assembly with the spring (16) and piston rod (17). The exploded view is divided into three main sections by dashed lines, showing the assembly of the main body, the internal components, and the final assembly.

R061630

Item	Description	Part no.	Specification	Note	Qty
1	Greasing device RG541 (incl. parts 2-21)	953344			1
2	Doser (incl. parts 2.1-2.14)	173573			1
2.1	Plug	173574			1
2.2	Nut	953330	M12x1 DIN 934		1
2.3	Lock washer	91038	M24 NORD-LOCK	*	1
2.4	O-ring	953325	D21	*	1
2.5	Adjusting screw	953317			1
2.6	O-ring	953326	D8	*	1
2.7	O-ring	953324	D11	*	2
2.8	Spring	953331		*	1
2.9	Piston	173576			1
2.10	O-ring	953322	D7	*	1
2.11	Piston	953329		*	1
2.12	Body	173575			1

Item	Description	Part no.	Specification	Note	Qty
2.13	O-ring	953323	D15	*	1
2.14	Shim plate	953321		*	1
3	Grease nipple	90200	BSP 1/4	*	1
4	Plug	953303		*	1
5	Locking plate	953302			1
6	Body	953310			1
7	Cartridge holder	953309			1
8	Check valve	951767			1
9	O-ring	951416	D19	*	1
10	O-ring	951453	D62	*	1
11	O-ring	953300	D71	*	1
12	O-ring	953301	D52	*	2
13	Guide ring	950272		*	1
14	Seal	953299		*	1
15	Spring housing	953308			1
16	Spring	950257			1
17	Piston	953307			1
18	Nut	953306			1
19	Lock plate	951410		*	1
20	Hex. socket screw	951421	M8x10-8.8 ISO 4762	*	1
21	Connector	951294	BSPP 1/4		3
kit	Seal set for greasing device	953385			1
	*) Are included in seal set for greasing device				

17. SERVICE KIT FOR GREASING DEVICE RG540 SERIES

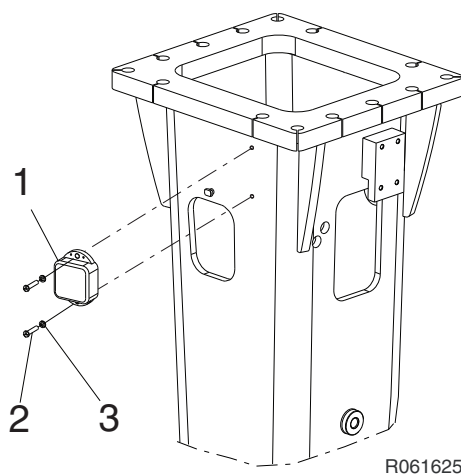


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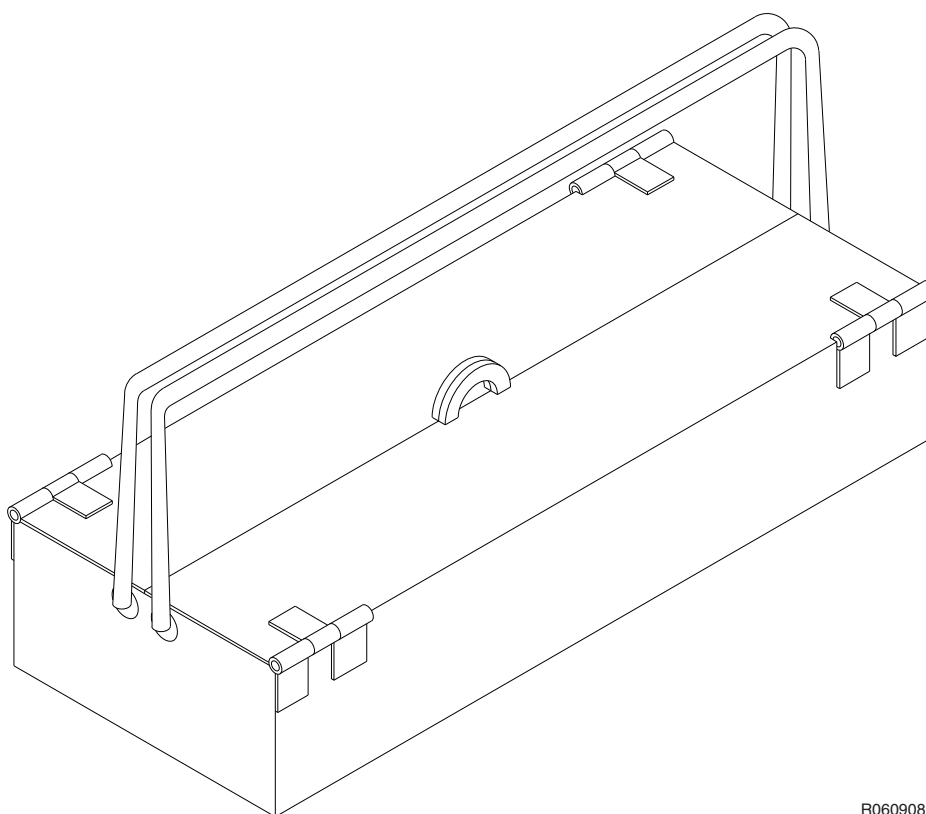
Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit for greasing device (incl. parts 1-19)	953385			1
1	Lock plate	951410			1
2	Plug	953303			2
3	Guide ring	950272			1
4	Seal	953299			1
5	O-ring	953300	D71		1
6	O-ring	951453	D62		1
7	O-ring	953301	D52		2
8	O-ring	951416	D19		1
9	O-ring	953326	D8		2
10	O-ring	953325	D21		2
11	O-ring	953324	D11		4
12	O-ring	953323	D15		2
13	O-ring	953322	D7		2
14	Shim plate	953321			2
15	Spring	953331			2
16	Piston	953329			2
17	Lock washer	91038	M24 NORD-LOCK		2
18	Grease nipple	90200	R1/4		2
19	Locking plate	953302			2
	Service kit for greasing device is not included in the hammers seal set.				

18. RD3, SURFACE MOUNTED



Item	Description	Part no.	Specification	Note	Qty
Kit	RD3 kit (incl. parts 1-3)	RD3-FACE			1
1	RD3 remote monitoring device	177284	Surface mounted	a	1
2	One-way-drive screw	955168	M8x30		2
3	Washer	903209	8-140 HV ISO 7089		2
	^a Not sold separately				

19. TOOL BOX R1



R060908

Item	Description	Part no.	Specification	Note	Qty
Kit	Tool box R1 (incl. parts 1-14)	173747			1
1	Tool box	N/A			1
2	Grease gun	90202			1
3	Tool grease	902045			1
4	Grease cartridge	951370			1
5	Puller	150020			1
6	Combination spanner	N/A	12		1
7	Screwdriver	N/A	6x150		1
8	Flange plug	90444	R3/8		1
9	Flange plug	90403	R1/4		2
10	Grease nipple	90200	R1/4		1
11	Grease nipple	953767	R3/8		2
12	Safety glasses	N/A			1
13	Assembling screw	954194	M12x150-8.8 ISO 8677		1
14	Combination spanner	N/A	8		1



Sandvik Mining and Construction Oy, Breakers Lahti
Taivalkatu 8, P.O. Box 165, FI-15101 Lahti, Finland
Phone Int. +358 205 44 151, Telefax Int. +358 205 44 150
www.rammer.com