



HYDRAULIC HAMMER

RAMMER 3288

Heavy Duty

Heavy Duty Hard Rock

Heavy Duty Primary Breaking

Serial No.

3288A1632-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 an easy operation, maintenance and repair of the product. Please note that warranty claims will be handled only if you have used genuine Rammer parts.

LOCATION OF THE SERIAL NUMBER

It is important to refer to the serial number of the product when ordering spare parts. The identification of serial number is the only proper means of maintaining and identifying parts for a specific product. The location of the equipment serial number is pointed in “Operation and maintenance” manual.

SPARE PART ORDERS

Quick spare part deliveries are ensured by exact orders.

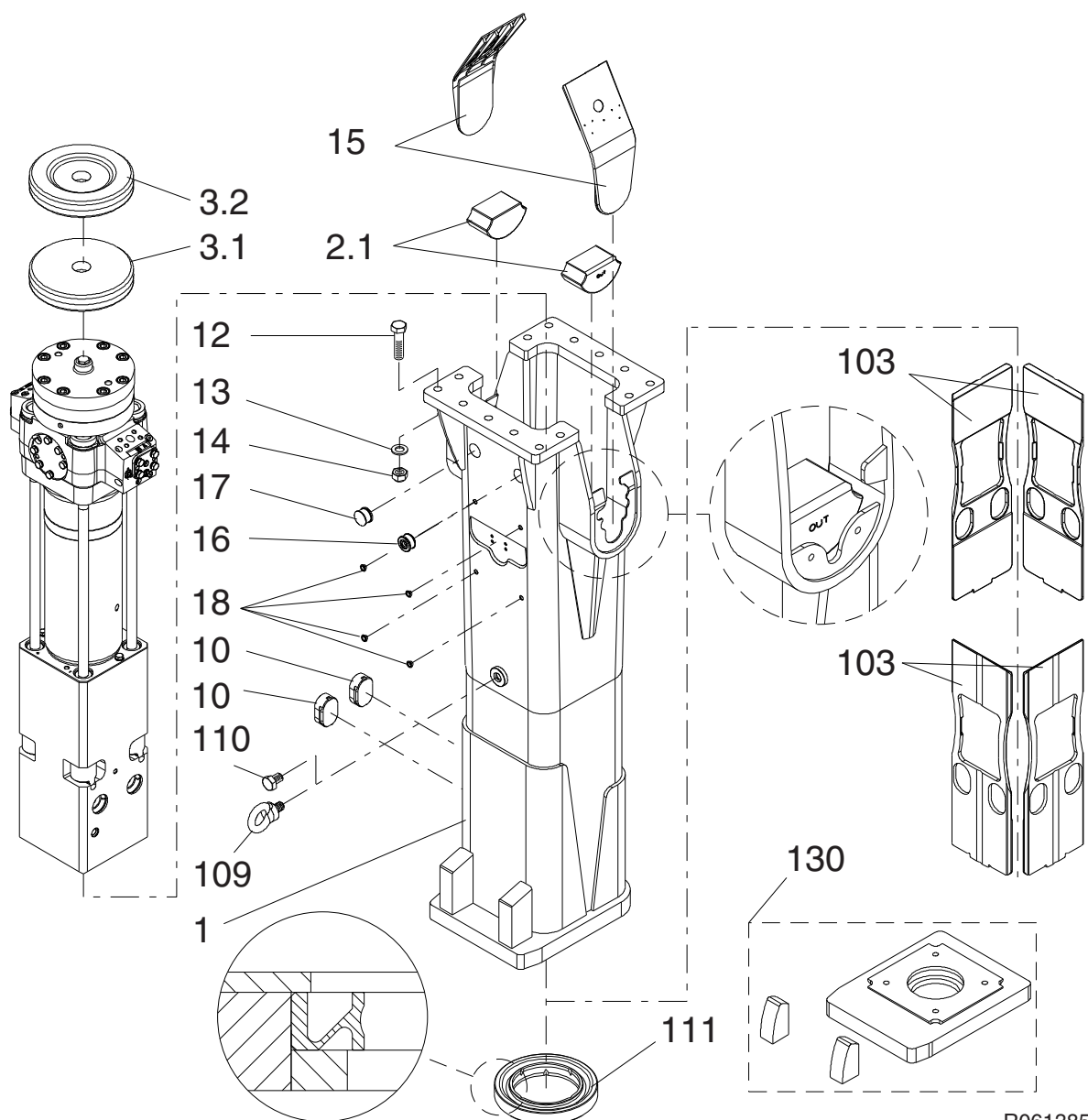
Required information:

- 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

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PARTS

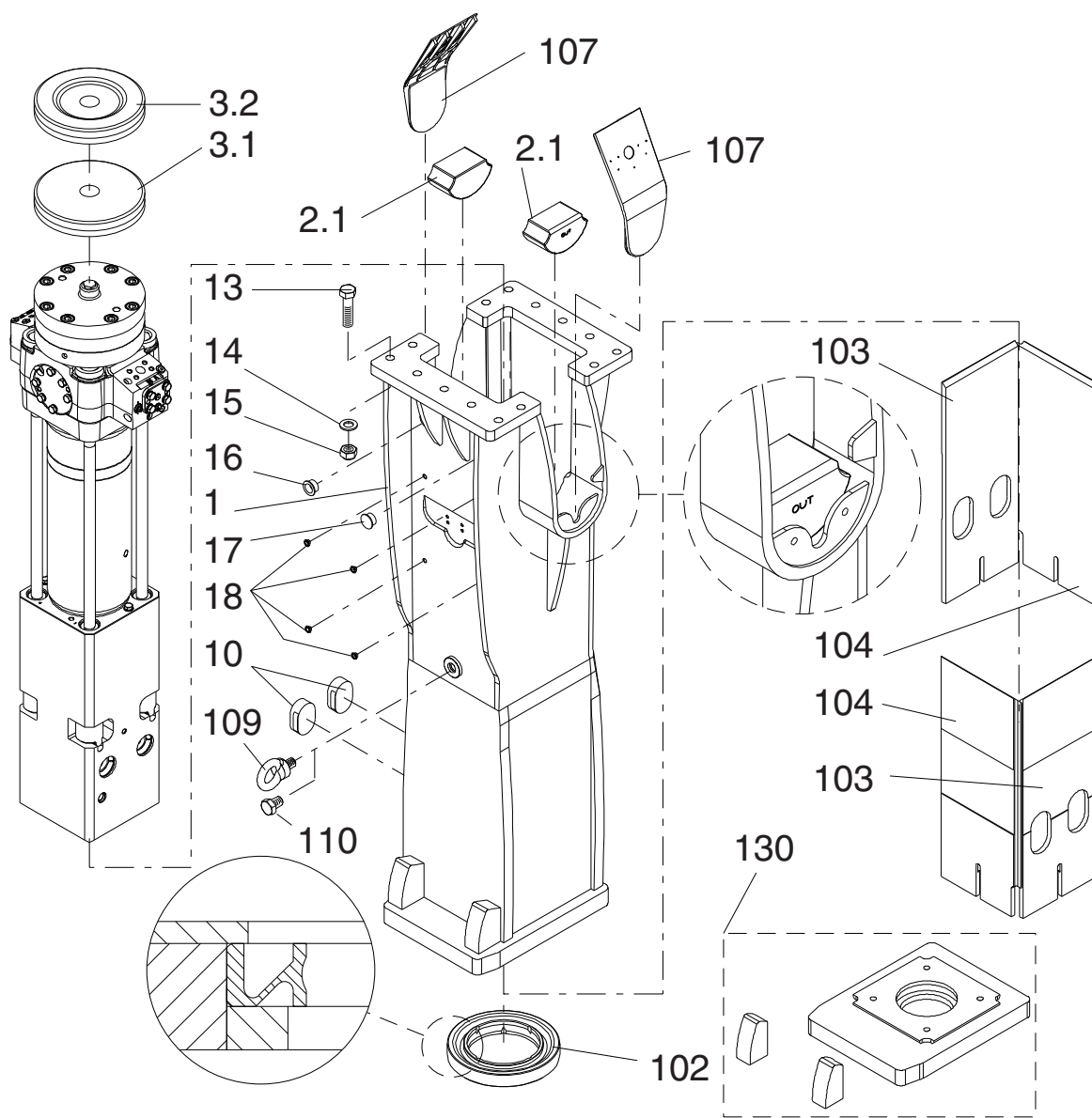
1. HOUSING UNIT HEAVY DUTY



R061385

Item	Description	Part no.	Specification	Note	Qty
1	Housing	168089			1
2.1	Pad	155438			2
3.1	Buffer	154317	Standard		1
3.2	Buffer	168203	Heavy duty		1
10	Plug	157947			2
12	Hex. screw	90589	M24x110-12.9 ISO 4014		14
13	Washer	90511	24 ISO 7416		14
14	Lock nut	90507	M24-12 DIN 985		14
15	Shield plate	163556			2
16	Plug	158147			1
17	Plug	400491			1
18	Plug	953291			4
103	Wear plate	163355			4
109	Lifting eye	90705	M30 DIN 580		1
110	Hex. screw	900026	M30x40-8.8 ISO 4017		1
111	Seal	153013			1
130	Wear parts	168211			1
201	Label set (incl. part 201.1)	170436			1
201.1	Safety label set	169400	English		1

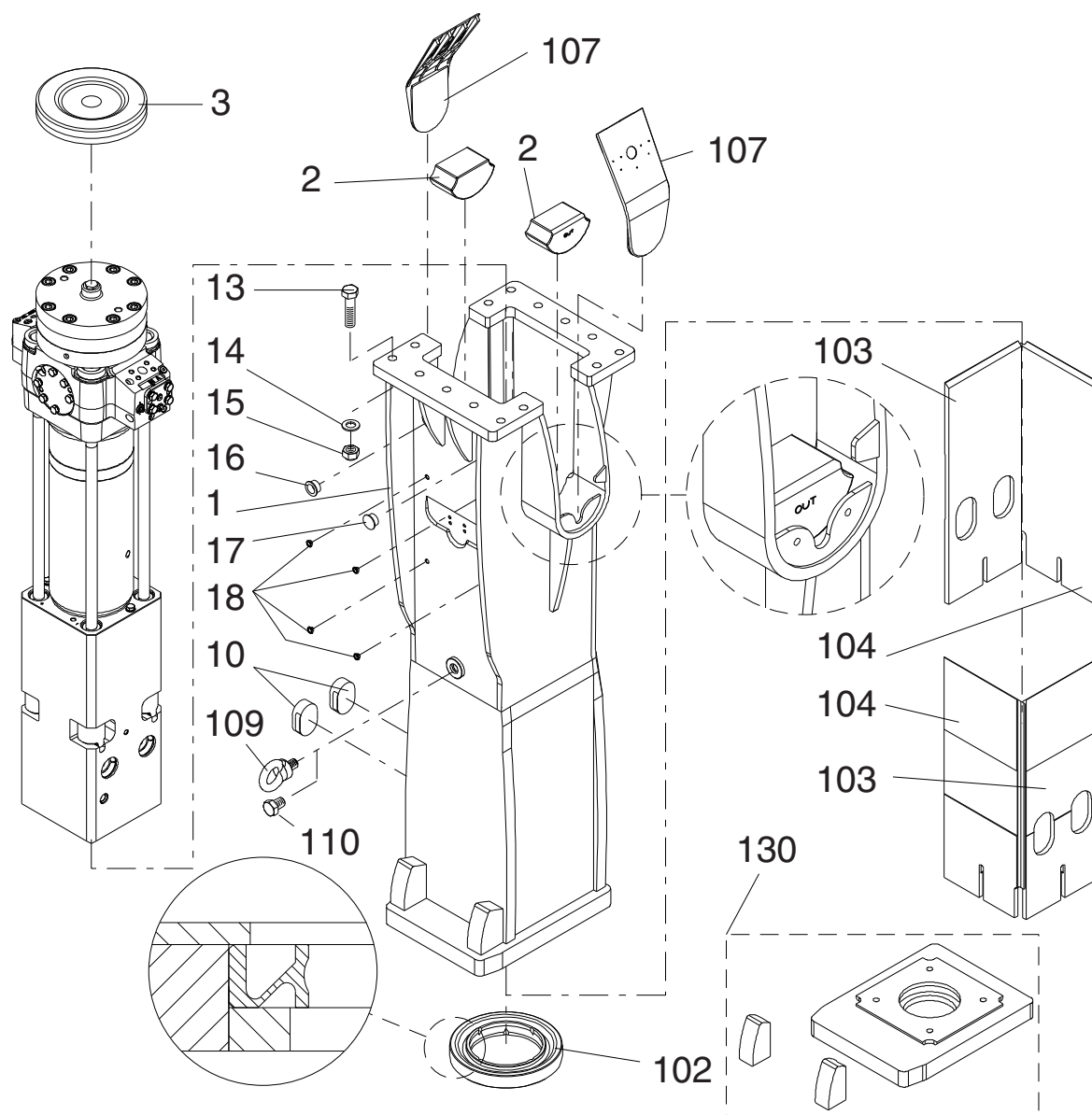
2. HOUSING UNIT HEAVY DUTY HARD ROCK



R061384

Item	Description	Part no.	Specification	Note	Qty
1	Housing	168085			1
2.1	Pad	155438			2
3.1	Buffer	154317	Standard		1
3.2	Buffer	168203	Heavy duty		1
10	Plug	157947			2
13	Hex. screw	90589	M24x110-12.9 ISO 4014		14
14	Washer	90511	24 ISO 7416		14
15	Lock nut	90507	M24-12 DIN 985		14
16	Plug	158147			1
17	Plug	400491			1
18	Plug	953291			4
102	Seal	153013			1
103	Wear plate	162598			2
104	Wear plate	162597			2
107	Shield plate	163556			2
109	Lifting eye	90705	M30 DIN 580		1
110	Hex. screw	900026	M30x40-8.8 ISO 4017		1
130	Wear parts	160399			1
201	Label set (incl. part 201.1)	170436			1
201.1	Safety label set	169400	English		1

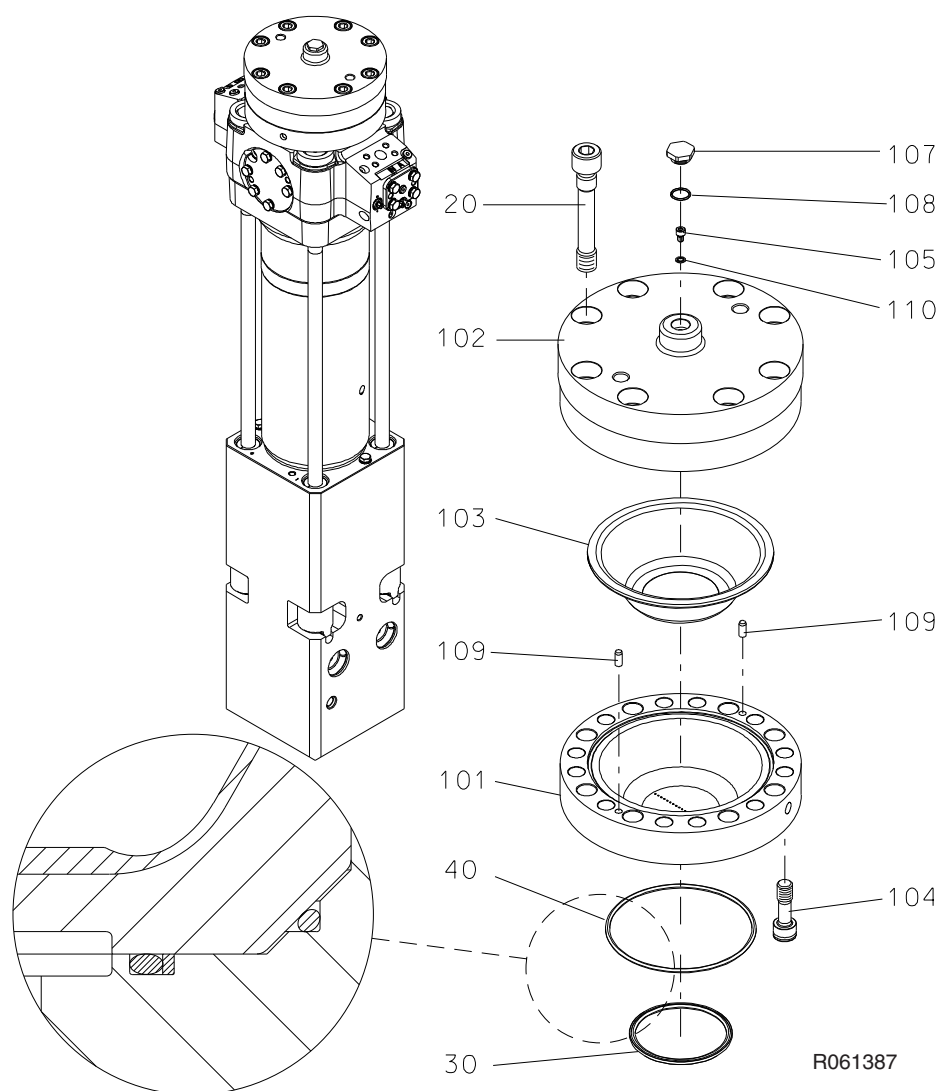
3. HOUSING UNIT HEAVY DUTY PRIMARY BREAKING



R061257

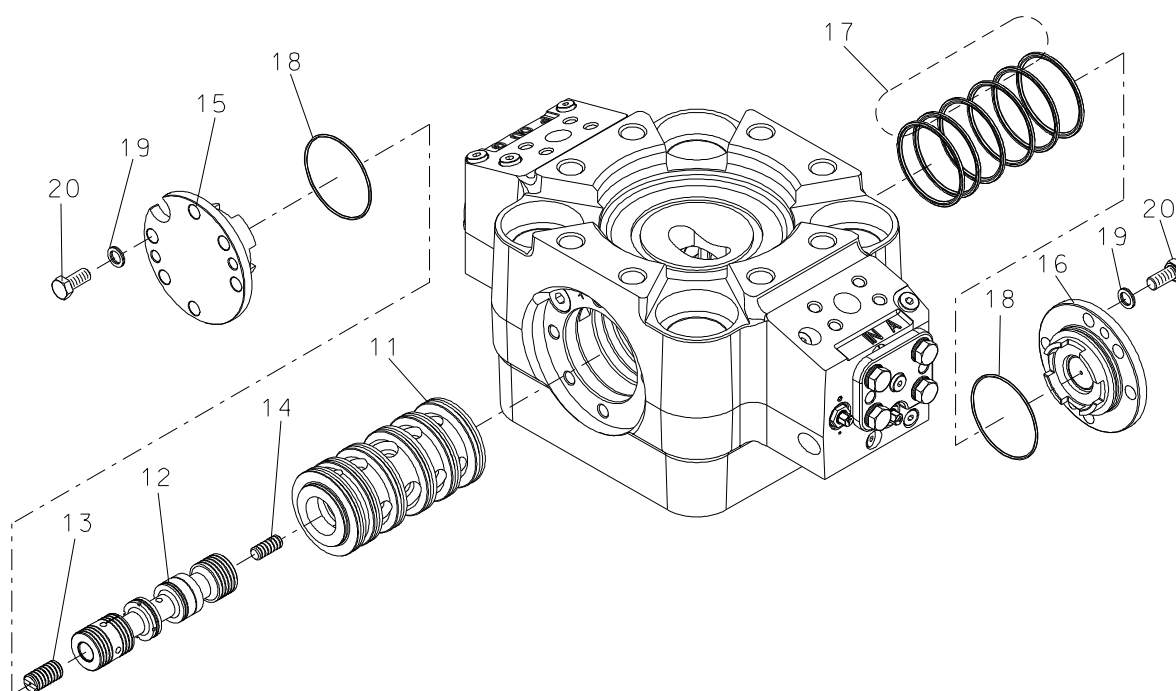
Item	Description	Part no.	Specification	Note	Qty
1	Housing	168085			1
2	Pad	155438			2
3	Buffer	168203	Heavy duty		1
10	Plug	157947			2
13	Hex. screw	90589	M24x110-12.9 ISO 4014		14
14	Washer	90511	24 ISO 7416		14
15	Lock nut	90507	M24-12 DIN 985		14
16	Plug	158147			1
17	Plug	400491			1
18	Plug	953291			4
102	Seal	153013			1
103	Wear plate	162598			2
104	Wear plate	162597			2
107	Shield plate	163556			2
109	Lifting eye	90705	M30 DIN 580		1
110	Hex. screw	900026	M30x40-8.8 ISO 4017		1
130	Wear parts	160399			1
201	Label set (incl. part 201.1)	170436			1
201.1	Safety label set	169400	English		1

4. ACCUMULATOR



Item	Description	Part no.	Specification	Note	Qty
1	Accumulator (incl. parts 101-110)	155339			1
101	Accumulator bottom	173741			1
102	Accumulator cover	155342			1
103	Membrane	173532			1
104	Accumulator screw	40416			12
105	Filling plug	40368			1
107	Shield plug	154015			1
108	O-ring	910006	D23	*	1
109	Parallel pin	90304	10m6x24 DIN 6325		2
110	Usit-ring	90056	8-13.9-1	*	1
20	Accumulator screw	41335			8
30	Seal	41357	D124	*	1
40	O-ring	910002	D194	*	1
	*) Are included in seal set				

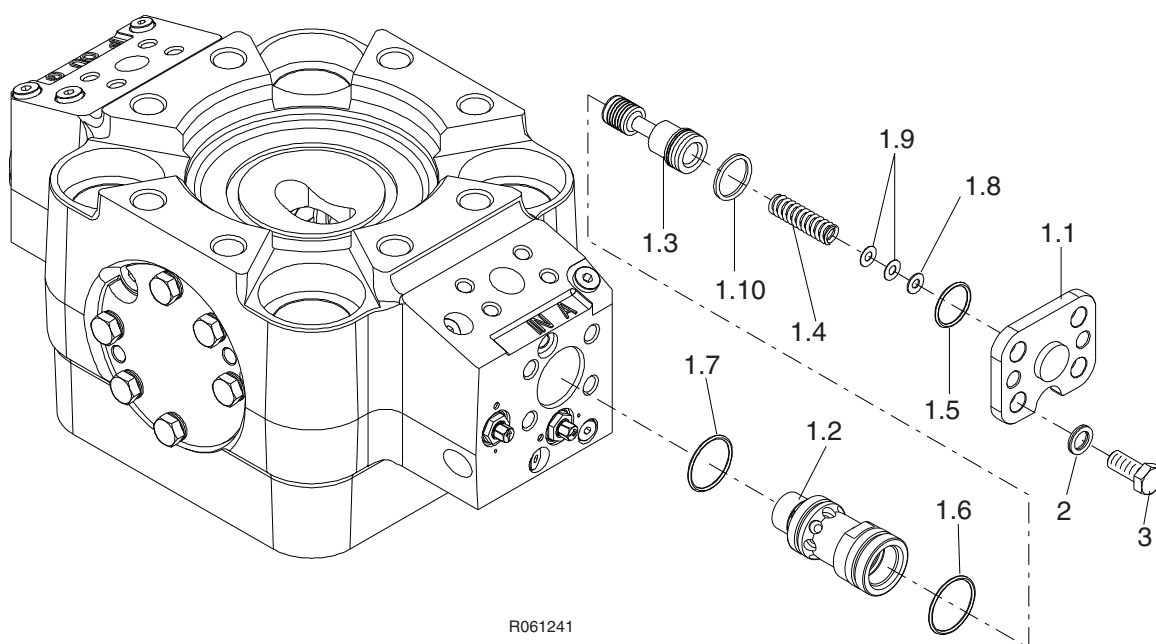
5. MAIN VALVE



R060895

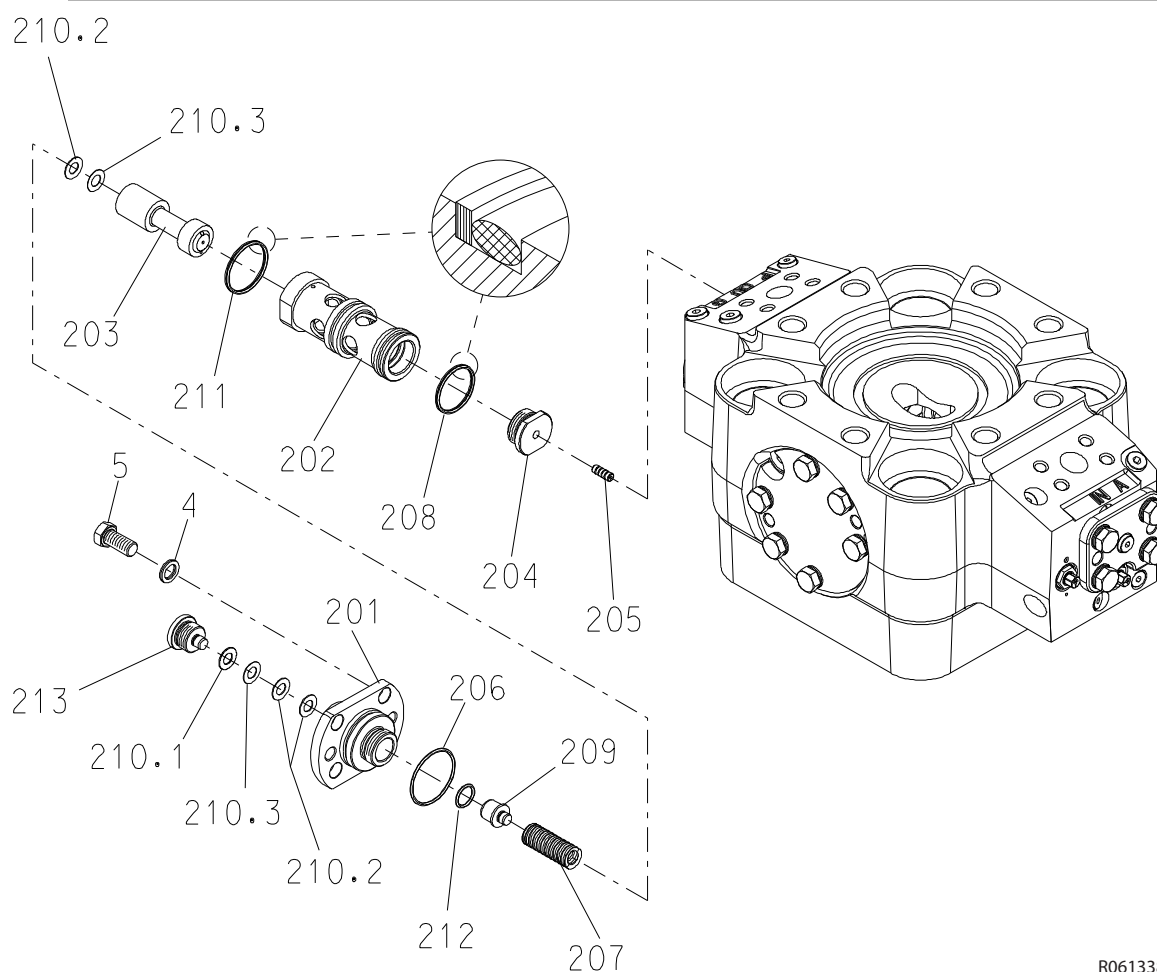
Item	Description	Part no.	Specification	Note	Qty
11	Main valve bushing	103802			1
12	Main spool	162453			1
13	Spool	101853	D23		1
14	Spool	40112	D16		1
15	Cover	101472			1
16	Cover	101830			1
17	Seal	902668	D110	*	6
18	O-ring	90005	D105	*	2
19	Lock washer	90597	M16 NORD-LOCK		12
20	Hex. screw	90517	M16x35-8.8 ISO 4017		12
	*) Are included in seal set				

6. RAMVALVE



Item	Description	Part no.	Specification	Note	Qty
1	Ramvalve (incl. parts 1.1-1.10)	172210			1
1.1	Cover	172149			1
1.2	Valve housing	172211			1
1.3	Spool	171031			1
1.4	Spring	954342			1
1.5	O-ring	90017	D34	*	1
1.6	O-ring	90031	D46	*	1
1.7	O-ring	90007	D44	*	1
1.8	Shim plate	954349	S=1		X
1.9	Shim plate	954348	S=0.5		X
1.10	Seal	954341	D34	*	1
2	Lock washer	90597	M16 NORD-LOCK		4
3	Hex. screw	90517	M16x35-8.8 ISO 4017		4
	*) Are included in seal set				

7. PRESSURE CONTROL VALVE

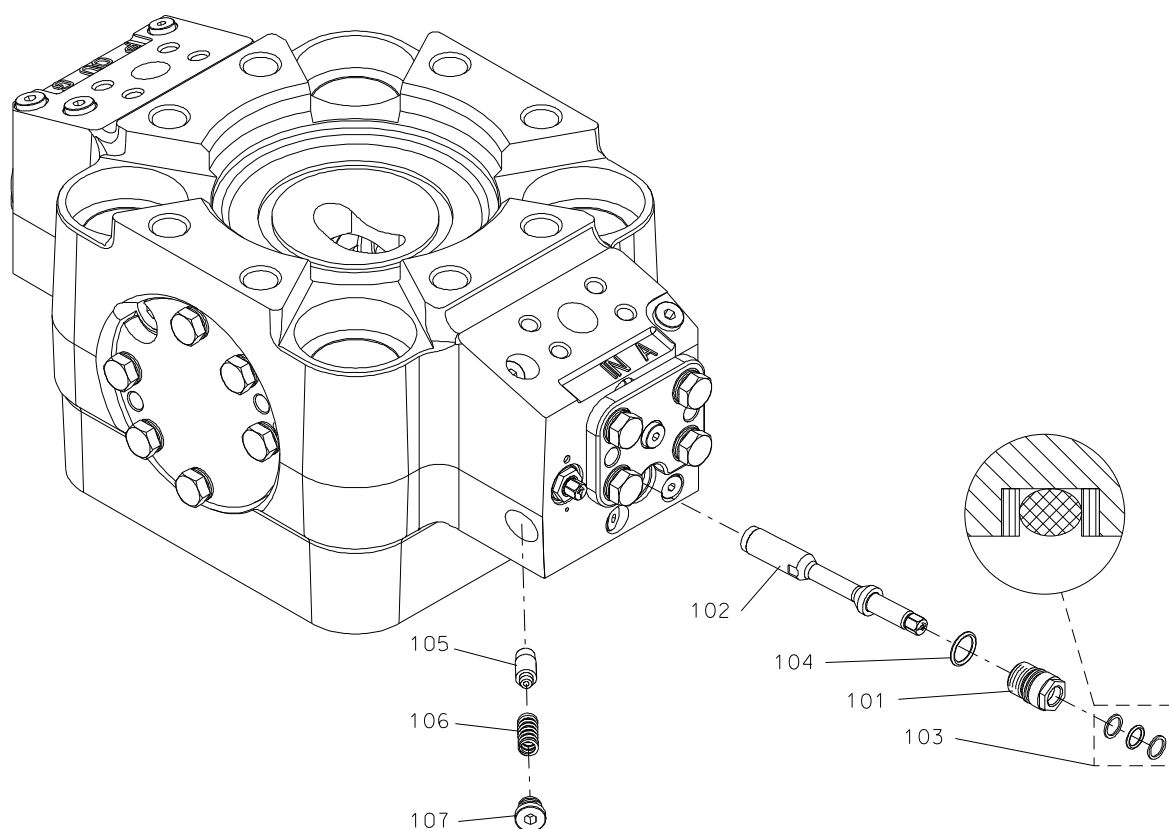


R061338

Item	Description	Part no.	Specification	Note	Qty
2	Pressure control valve (incl. parts 201-213)	162450			1
201	Cover	161413			1
202	Valve housing	162451			1
203	Spool	162452			1
204	Guide	400688			1
205	Spool	400690	D9		1
206	O-ring	90083	D60	*	1
207	Spring	90104			1
208	Seal	41375	D50	*	1
209	Spring guide	161433			1
210.1	Shim plate	174182	S=0.75		X
210.2	Shim plate	41793	S=1		X
210.3	Shim plate	41794	S=0.5		X
211	Seal	41374	D55	*	1

Item	Description	Part no.	Specification	Note	Qty
212	O-ring	910018	D21	*	1
213	Plug	112512			1
4	Lock washer	90597	M16 NORD-LOCK		4
5	Hex. screw	90517	M16x35-8.8 ISO 4017		4
	*) Are included in seal set				

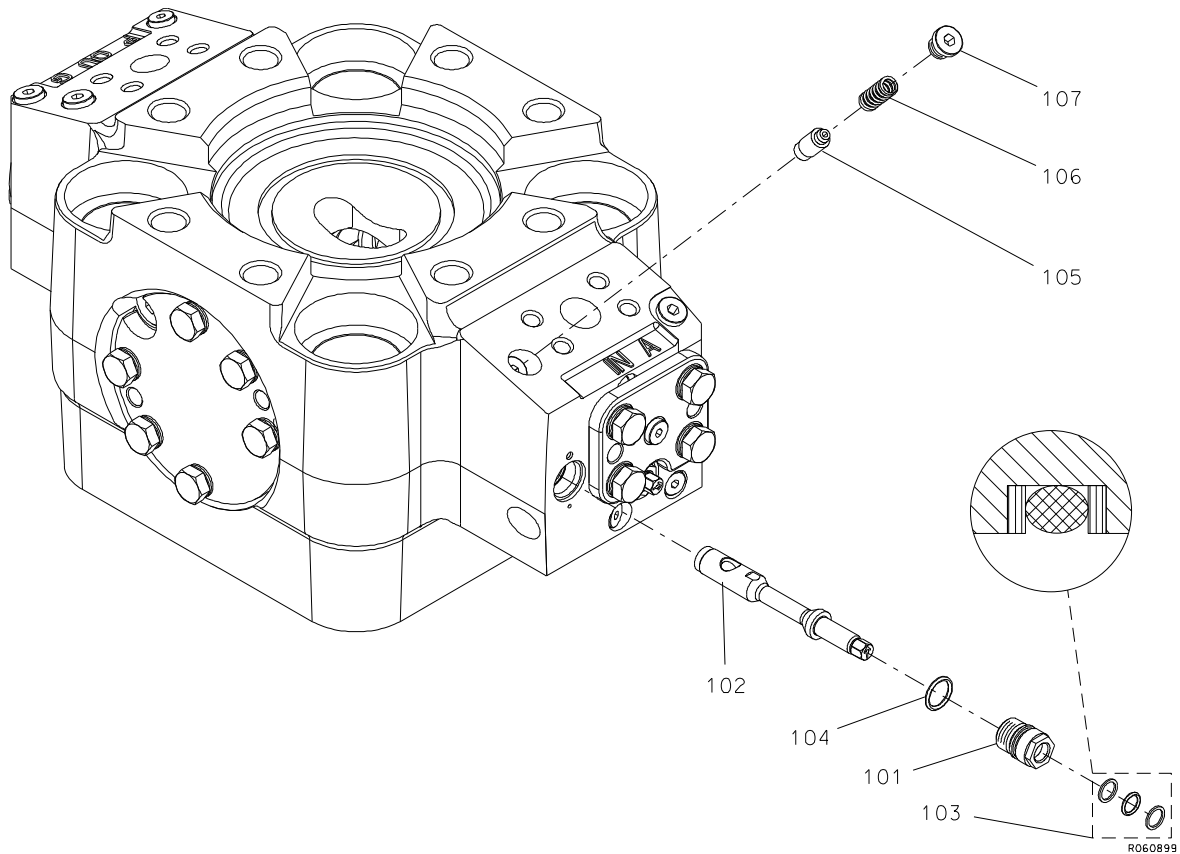
8. IDLE SELECTOR



R060898

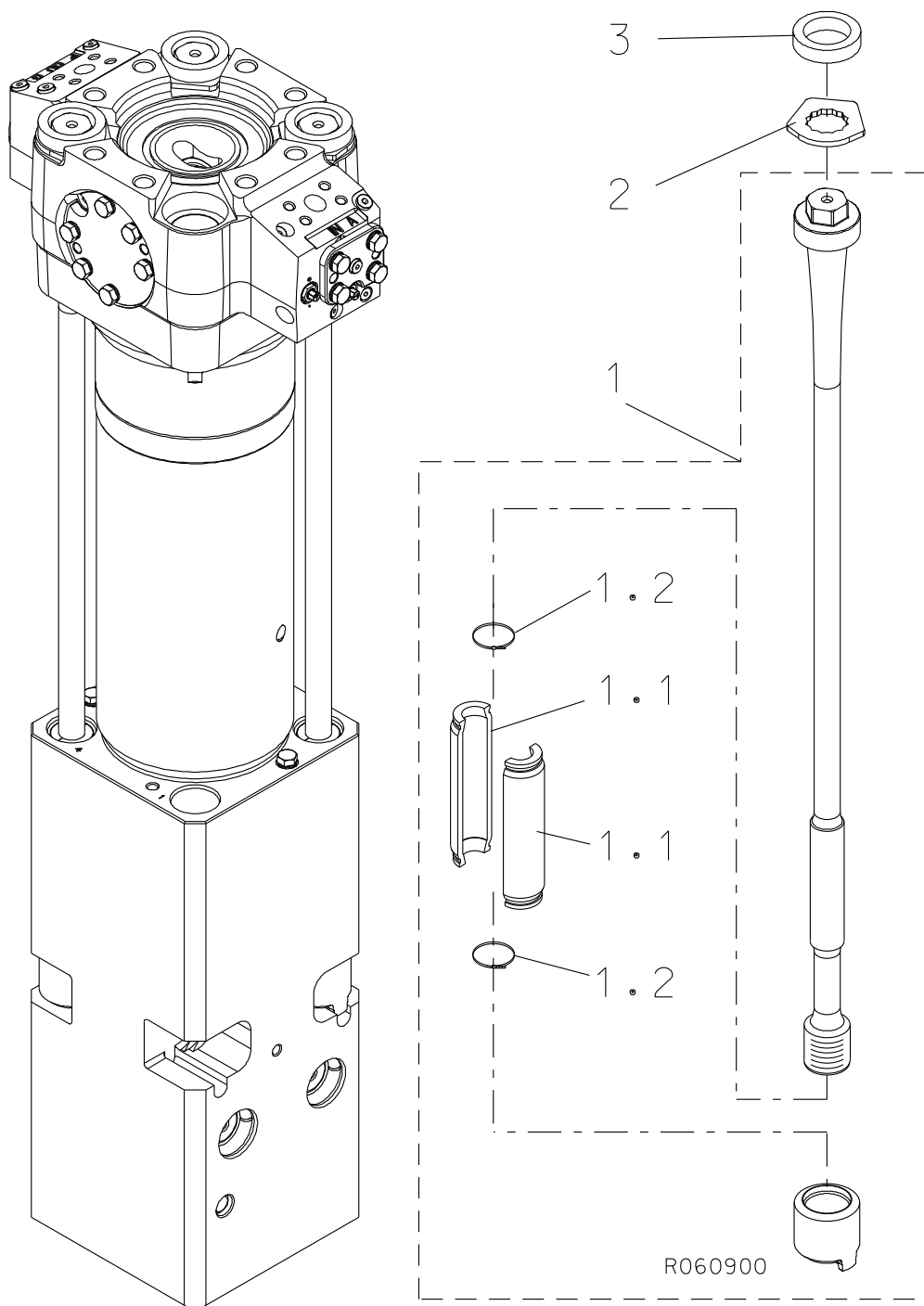
Item	Description	Part no.	Specification	Note	Qty
1	Valve (incl. parts 101-104)	163445			1
101	Cover	156729			1
102	Spool	163446			1
103	Seal	112835	D13	*	1
104	O-ring	90001	D20	*	1
105	Pin	156730			1
106	Spring	951797	Danly 9-1006-11		1
107	Flange plug	90444	BSP 3/8		1
	*) Are included in seal set				

9. STROKE SELECTOR VALVE



Item	Description	Part no.	Specification	Note	Qty
1	Valve (incl. parts 101-104)	163445			1
101	Cover	156729			1
102	Spool	163446			1
103	Seal	112835	D13	*	1
104	O-ring	90001	D20	*	1
105	Pin	156730			1
106	Spring	951797	Danly 9-1006-11		1
107	Flange plug	90444	BSP 3/8		1
	*) Are included in seal set				

10. TIE RODS

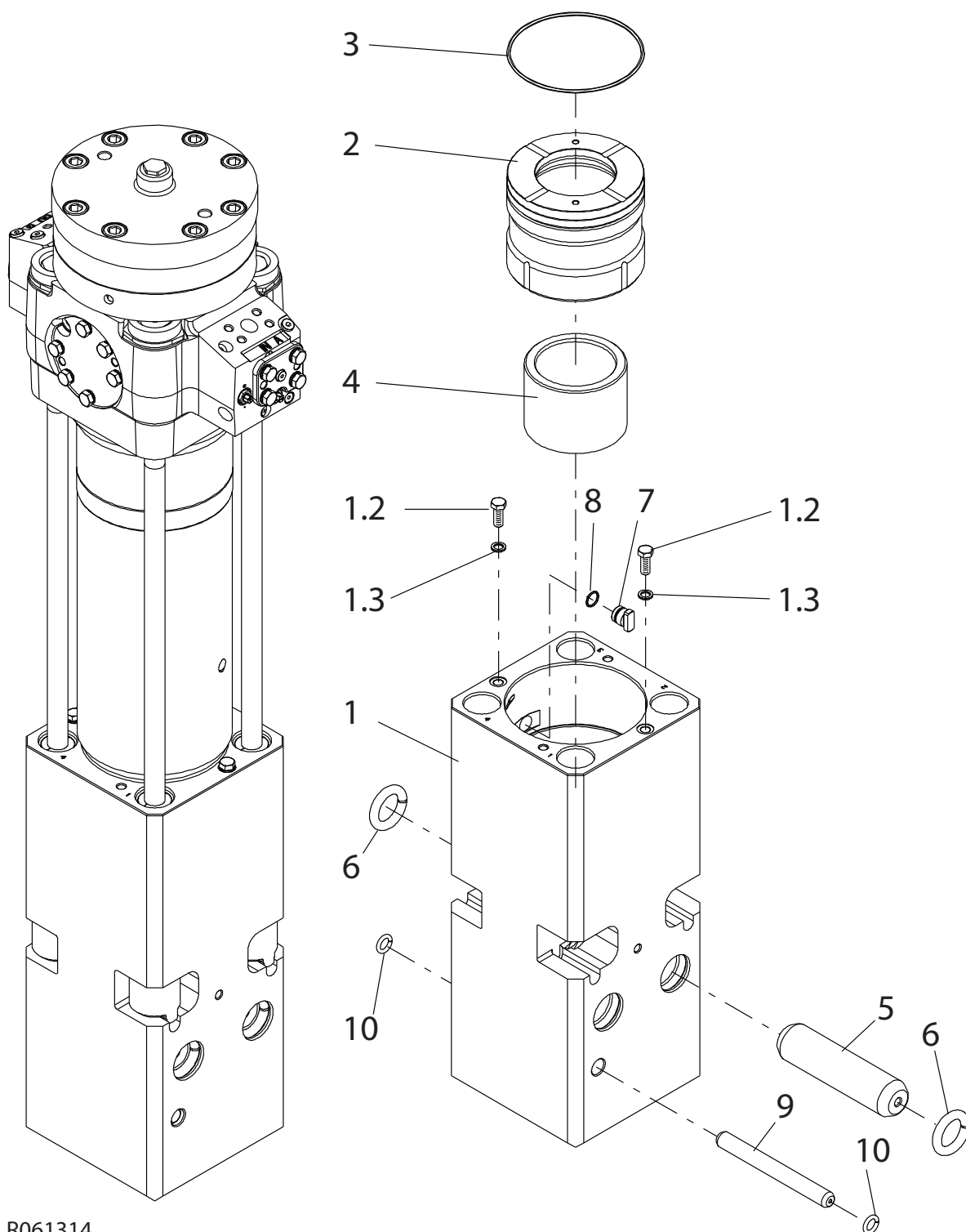


Item	Description	Part no.	Specification	Note	Qty
1	Tie rod (incl. parts 1.1-1.2)	158327			4
1.1	Vibration dampening element	155555			2
1.2	Cable tie	952009			2
2	Lock plate	101449			4
3	Rubber ring	40586			4



Item	Description	Part no.	Specification	Note	Qty
1	Valve body (incl. parts 1.2-1.7)	162448			1
1.2	Breather	400662			1
1.3	Flange plug	90401	R3/4		1
1.4	Flange plug	90403	R1/4		4
1.5	Flange plug	90444	R3/8		4
1.6	Flange plug	93203	R1/8		2
1.7	Nozzle	159795			1
2	Cylinder	162442			1
3	Piston	162445			1
4	Seal carrier (incl. parts 4.2-4.4)	162446			1
4.2	Breather (incl. part 4.22)	101700			1
4.22	O-ring	901173	D27	*	1
4.3	Plug	173557			1
5	Wiper	901160	D119	*	1
6	Seal	955144	D120	*	1
7	Seal	150244	D118	*	1
8	Wiper	952657	D135	*	1
9	Seal	952033	D135	*	1
10	Seal	903325	D135	*	1
11	Seal	41140	D239	*	1
13	O-ring	901124	D17	*	6
14	O-ring	90076	D229	*	3
15	Parallel pin	90317	16m6x50 DIN 6325		2
16	O-ring	90046	D239	*	1
17	O-ring	952116	D129	*	1
	*) Are included in seal set				

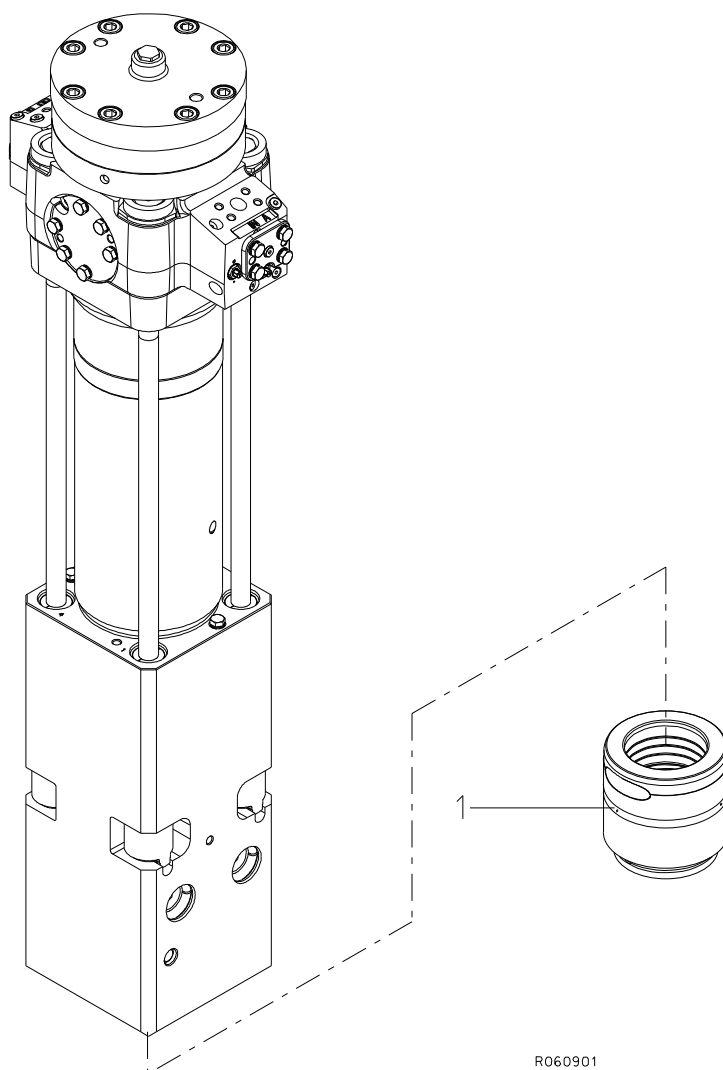
12. FRONT HEAD



R061314

Item	Description	Part no.	Specification	Note	Qty
1	Front head (incl. parts 1.2-1.3)	173679			1
1.2	Hex. socket screw	900051	M16x40-12.9 ISO 4017		2
1.3	Lock washer	90597	M16 NORD-LOCK		2
2	Thrust ring	155467			1
3	O-ring	90076	D229	*	1
4	Upper tool bushing	101414			1
5	Tool retaining pin	153235			2
6	Ring	153236			4
7	Wedge	40110			1
8	O-ring	90000	D24	*	1
9	Retaining pin	173680	D30		1
10	Rubber ring	173685		*	2
	*) Are included in seal set				

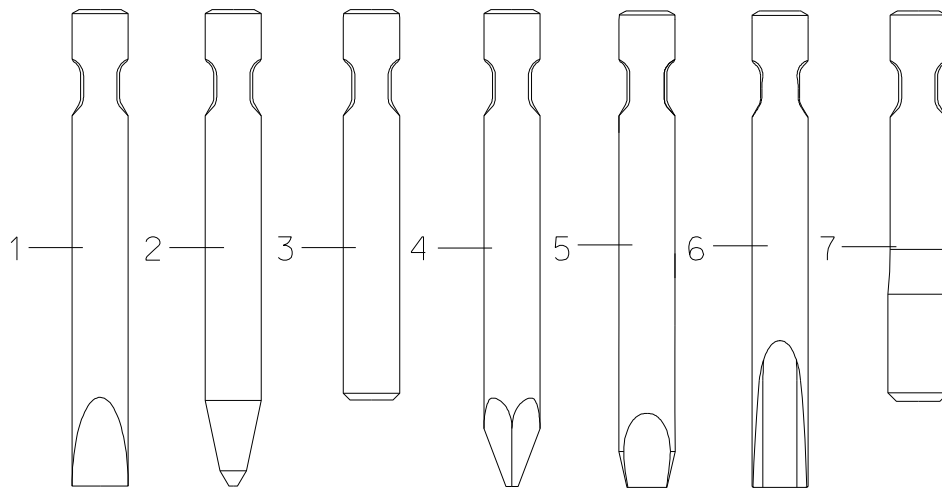
13. LOWER TOOL BUSHING



R060901

Item	Description	Part no.	Specification	Note	Qty
1	Lower tool bushing	155206			1

14. TOOL

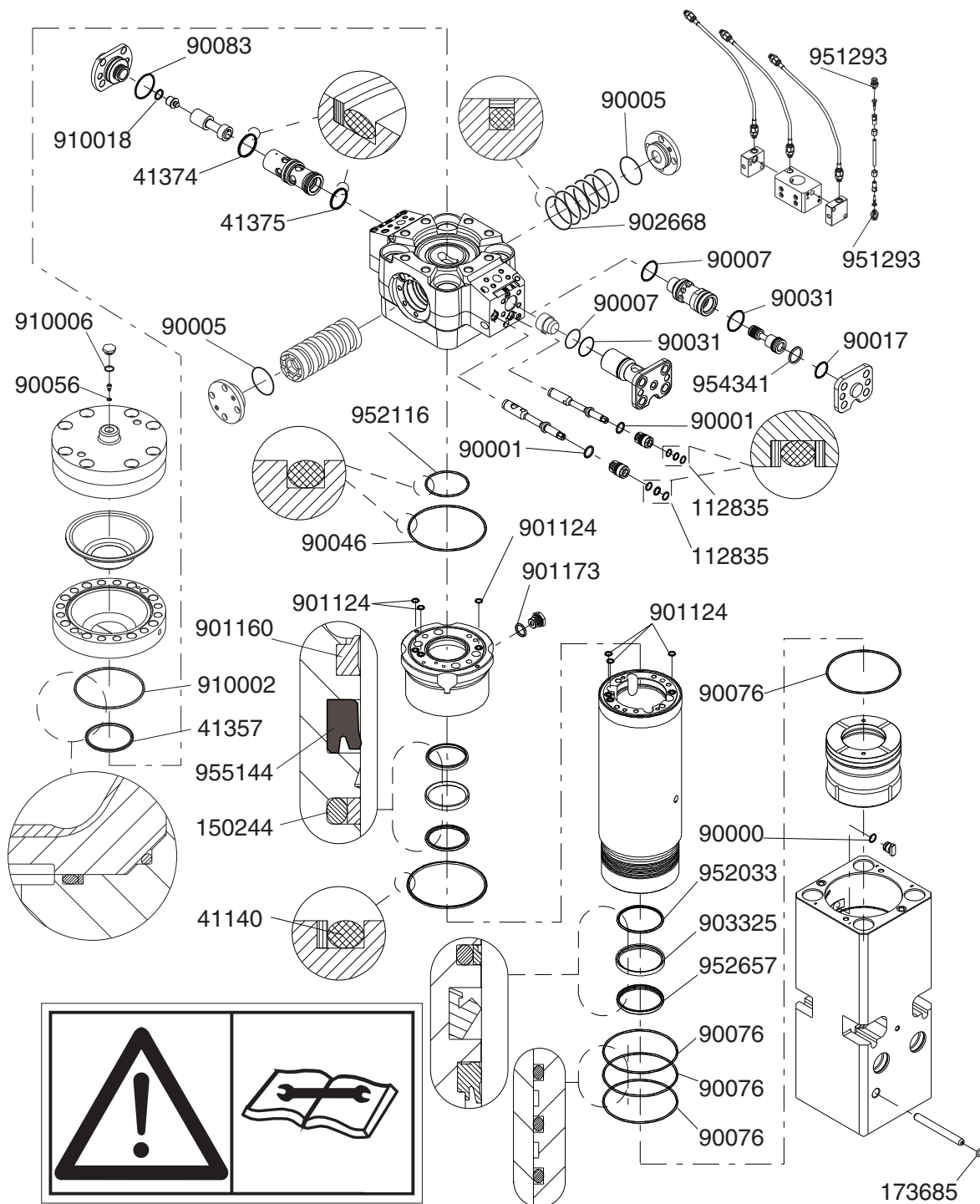


R060731

Item	Description	Part no.	Specification	Note	Qty
1	Chisel	881	L = 1200 mm, W = 132 kg, D = 142 mm		1
2	Moil point	883	L = 1200 mm, W = 128 kg, D = 142 mm		1
3	Blunt	884	L = 1050 mm, W = 124 kg, D = 142 mm		1
4	Pyramid	883K3	L = 1200 mm, W = 132 kg, D = 142 mm		1
5	Limestone Chisel	881F3	L = 1200 mm, W = 140 kg, D = 142 mm		1
6	Hard Rock Chisel	881A2	L = 1200 mm, W = 132 kg, D = 142 mm		1
7	Super Blunt	884T2	L = 1100 mm, W = 138 kg, D = 148 mm		1

15. SEAL SET

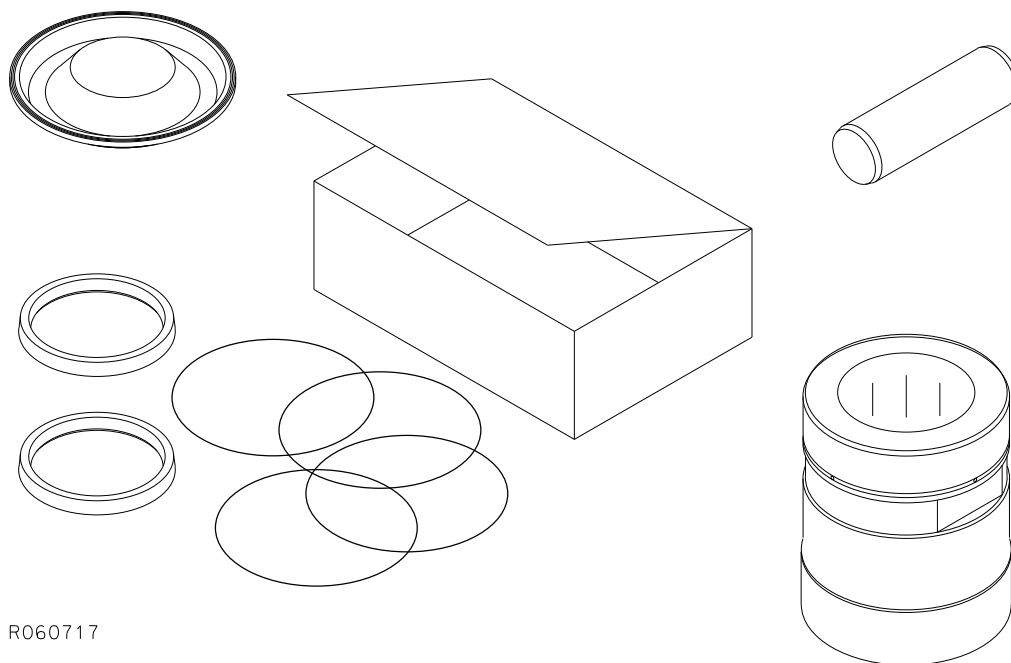
Seal set 163428



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.

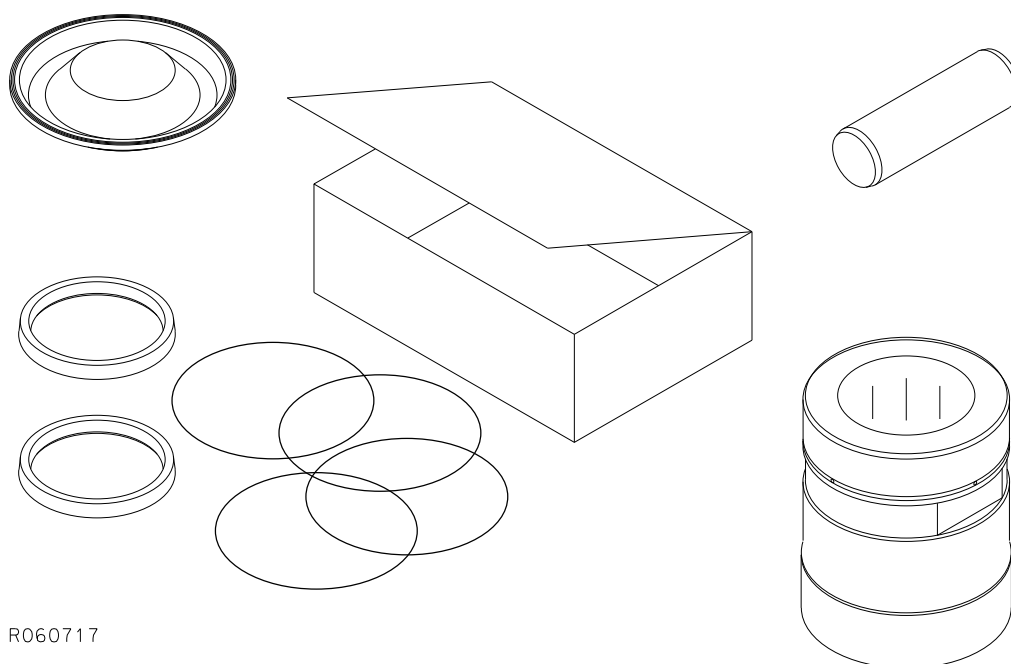
R061442

Item	Description	Part no.	Specification	Note	Qty
Kit	Seal set (incl. parts 1-31)	163428			1
1	O-ring	910006	D23		1
2	Usit-ring	90056	8-13.9-1		1
3	Seal	41357	D124		1
4	O-ring	910002	D194		1
5	Seal	112835	D13		2
6	O-ring	90001	D20		2
7	O-ring	90083	D60		1
8	Seal	41375	D50		1
9	Seal	41374	D55		1
10	O-ring	910018	D21		1
11	Seal	902668	D110		6
12	O-ring	90005	D105		2
13	O-ring	90031	D46		1
14	O-ring	90007	D44		1
15	O-ring	90076	D229		4
16	O-ring	90000	D24		1
17	O-ring	901173	D27		1
18	Wiper	901160	D119		1
19	Seal	955144	D120		1
20	Seal	150244	D118		1
21	Wiper	952657	D135		1
22	Seal	952033	D135		1
23	Seal	903325	D135		1
24	Seal	41140	D239		1
25	O-ring	901124	D17		6
26	O-ring	90046	D239		1
27	O-ring	952116	D129		1
28	O-ring	951293	D9		6
29	O-ring	90017	D34		1
30	Seal	954341	D34		1
31	Rubber ring	173685			2
	The seals for greasing device are not included in this seal set. They are included in the service kit for greasing device.				

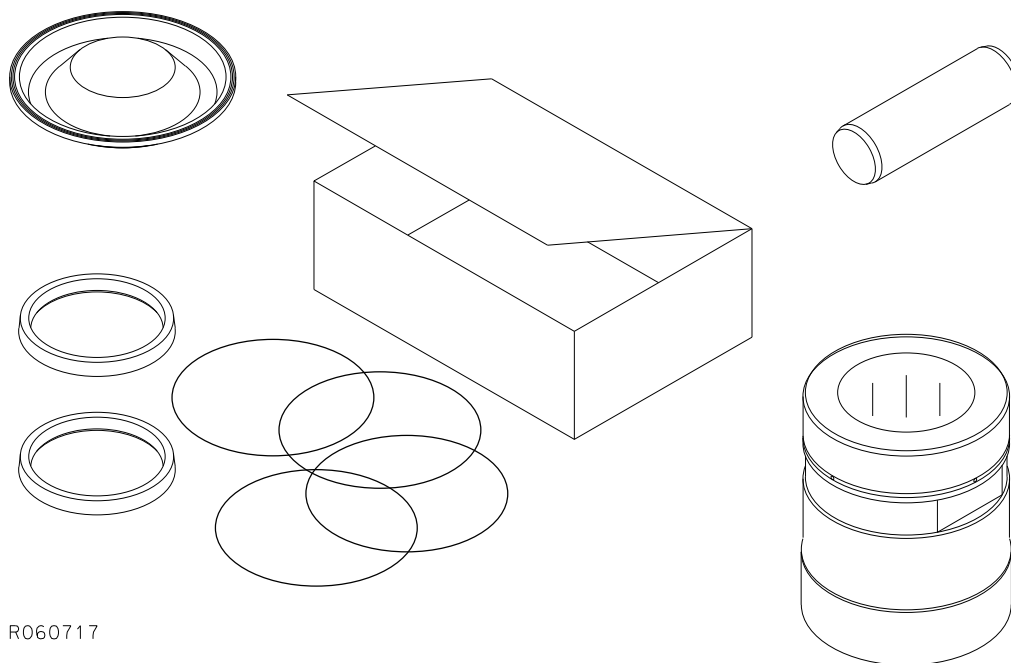
16. SERVICE KIT

Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 4)	K13288			1
1	Membrane	173532			1
2	Tool retaining pin	153235			2
3	Lower tool bushing	155206			1
4	Seal set	163428			1

17. SERVICE KIT 2A HEAVY DUTY

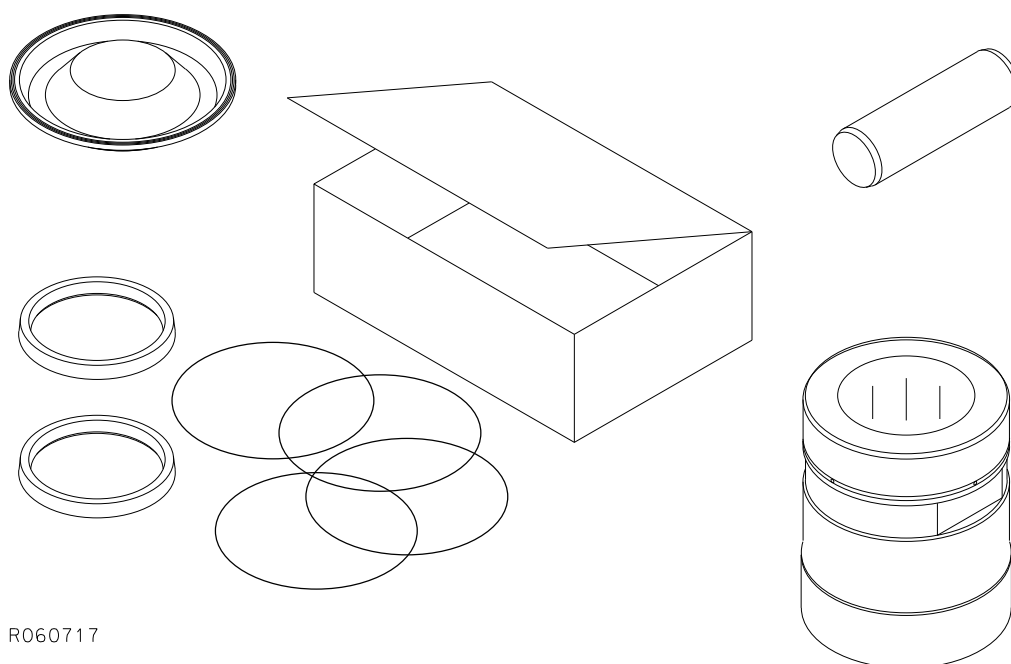


Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 4)	K2A3288			1
1	Pad	155438			2
2	Buffer	154317	Standard		1
3	Wear plate	163355			4
4	Upper tool bushing	101414			1

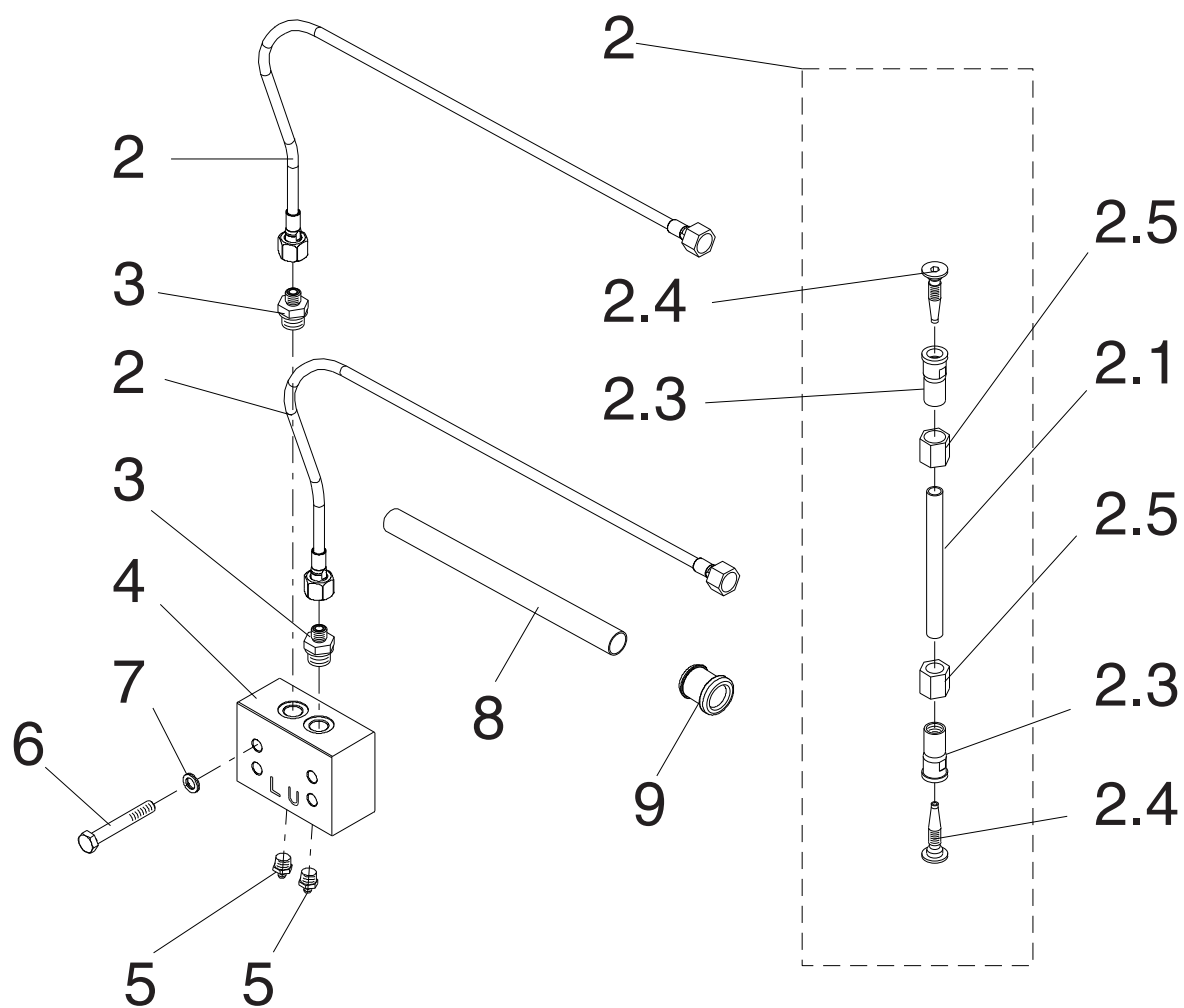
18. SERVICE KIT 2B HEAVY DUTY HARD ROCK

Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 5)	K2B3288			1
1	Pad	155438			2
2	Buffer	154317	Standard		1
3	Wear plate	162598			2
4	Wear plate	162597			2
5	Upper tool bushing	101414			1

19. SERVICE KIT 2D HEAVY DUTY PRIMARY BREAKING



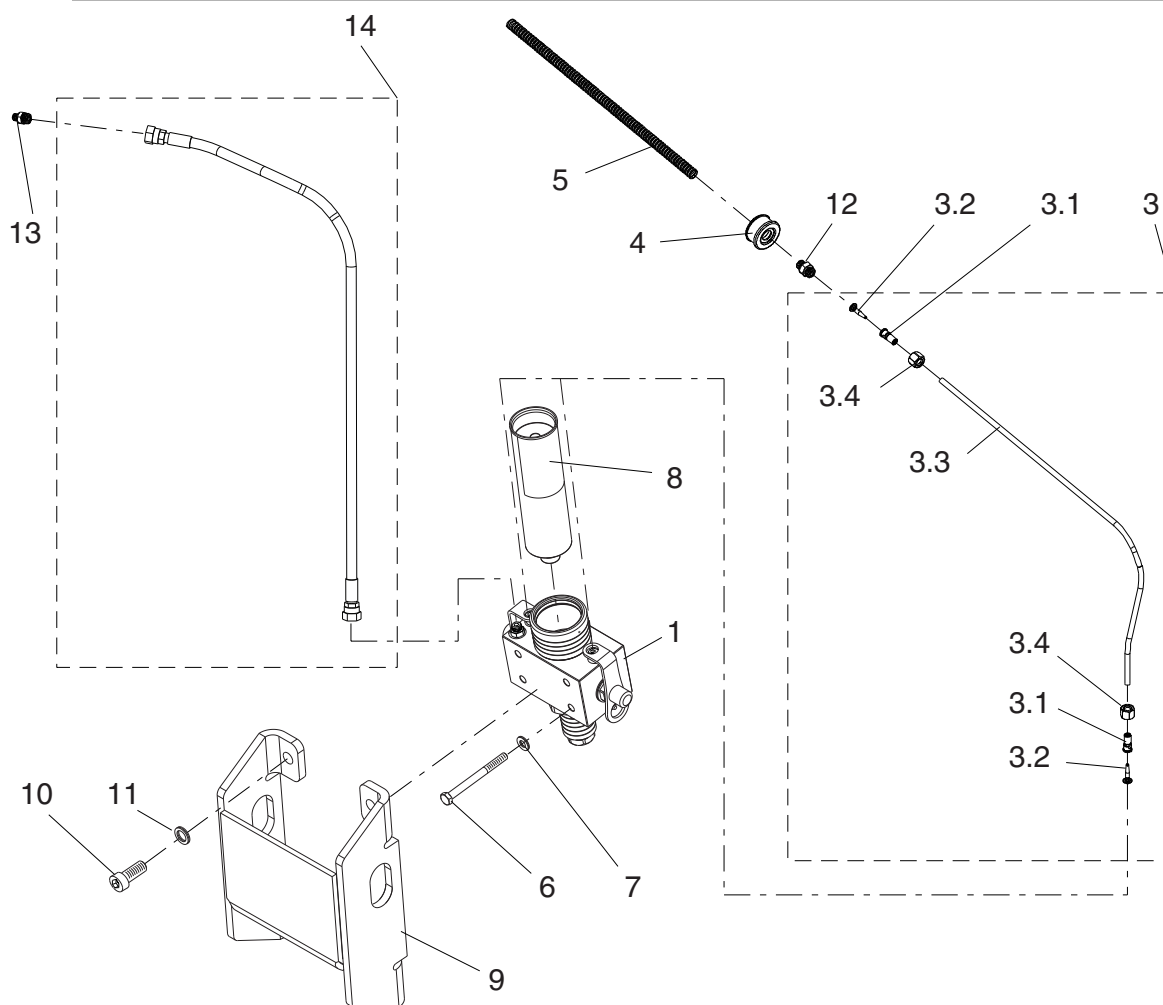
Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 5)	K2D3288			1
1	Pad	155438			2
2	Buffer	168203	Heavy duty		1
3	Wear plate	162598			2
4	Wear plate	162597			2
5	Upper tool bushing	101414			1

20. GREASING BLOCK FOR MANUAL GREASING

R061085

Item	Description	Part no.	Specification	Note	Qty
Kit	Greasing block for manual greasing (incl. parts 3-7)	168833			1
2	Hose assembly (incl. parts 2.1-2.5)	168842			2
2.1	Hose	953927			1
2.3	Sleeve	153035			2
2.4	Insert	153036			2
2.5	Nut	951296			2
3	Connector	951294	BSPP 1/4		2
4	Body	168824			1
5	Grease nipple	90200	R1/4		2
6	Hex. screw	901542	M10x70-8.8 ISO 4014		4
7	Lock washer	953503	M10 NL10sp NORD-LOCK		4
8	Shield	952093			1
9	Rubber bushing	158147			1

21. GREASING DEVICE KIT

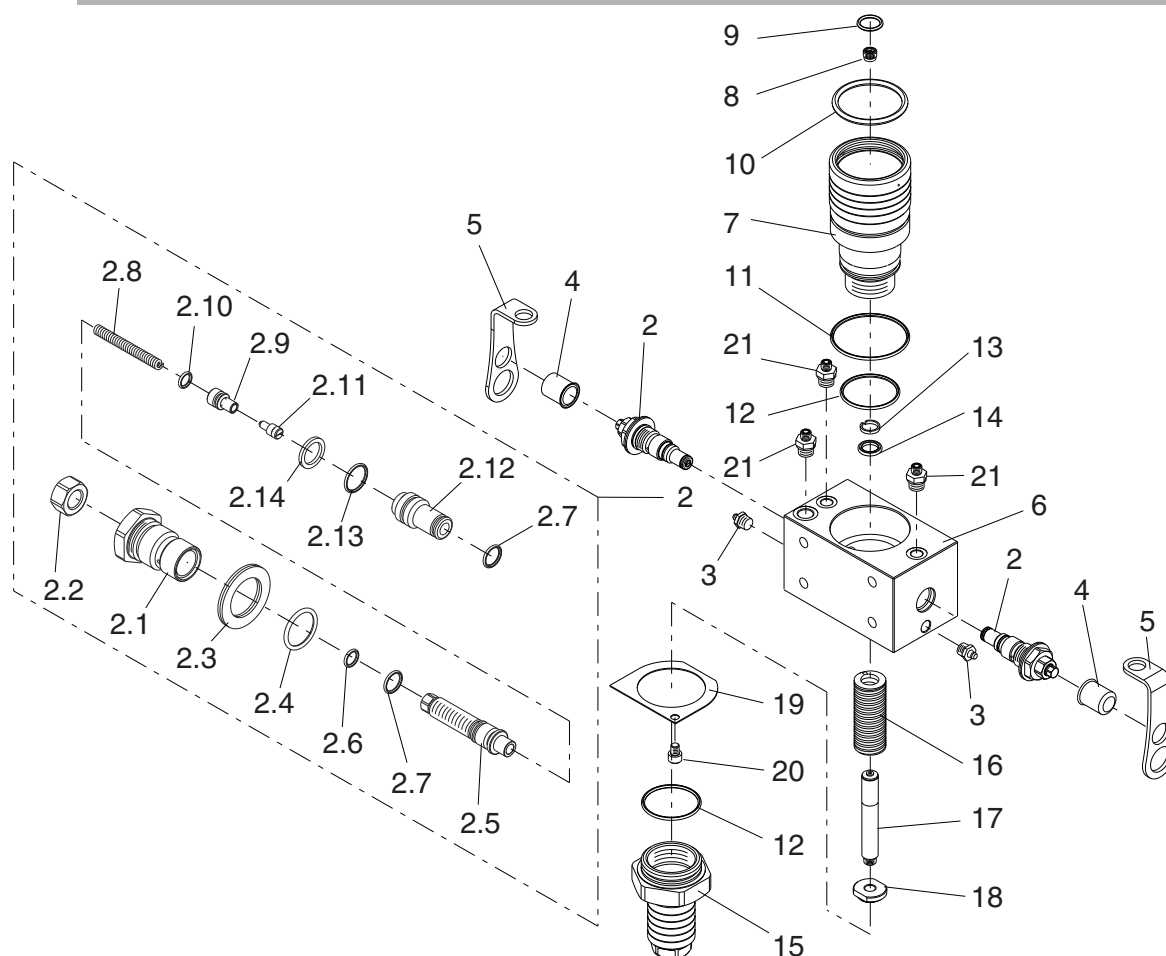


R061446

Item	Description	Part no.	Specification	Note	Qty
kit	Greasing device retrofit kit (incl. parts 1-14)	K60088			1
1	Greasing device RG542	953345			1
3	Hose assembly (incl. parts 3.1-3.4)	176785			2
3.1	Sleeve	153035			2
3.2	Insert	153036			2
3.3	Hose	951632			1
3.4	Nut	951296			2
4	Rubber bushing	158147			1
5	Shield	952093			1
6	Hex. screw	953794	M10x110-8.8 ISO 4014		4
7	Lock washer	953503	M10 NL10sp NORD-LOCK		4
8	Grease cartridge	951370	Special tool grease, Greasing device cartridge. Greasing device cartridges are also sold in boxes of 24.		1
9	Shield	168032			1
10	Hex. socket screw	902895	M16x35-8.8 ISO 4762		4

Item	Description	Part no.	Specification	Note	Qty
11	Lock washer	90597	M16 NORD-LOCK		4
12	Connector	951295	BSPP 3/8		2
13	Connector	951294	BSPP 1/4		1
14	Hose assembly	955155			1

22. GREASING DEVICE



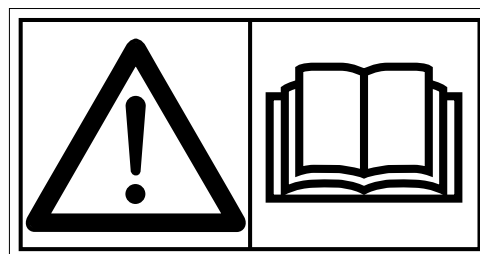
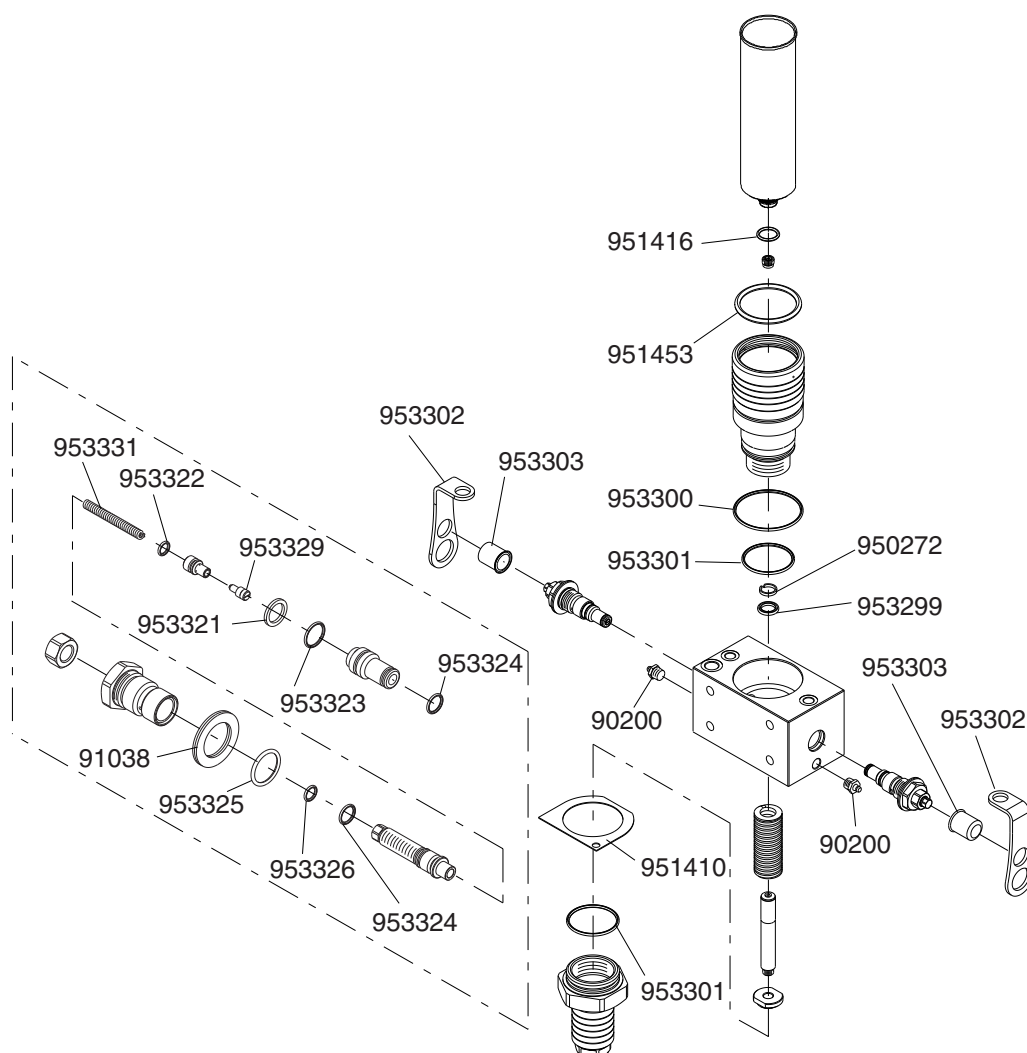
R061075

Item	Description	Part no.	Specification	Note	Qty
1	Greasing device RG542 (incl. parts 2-21)	953345			1
2	Doser (incl. parts 2.1-2.14)	173573			2
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
2.13	O-ring	953323	D15	*	1
2.14	Shim plate	953321		*	1
3	Grease nipple	90200	BSP 1/4	*	2
4	Plug	953303		*	2

Item	Description	Part no.	Specification	Note	Qty
5	Locking plate	953302			2
6	Body	953335			1
7	Cartridge holder	953334			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				

23. SERVICE KIT FOR GREASING DEVICE RG540 SERIES

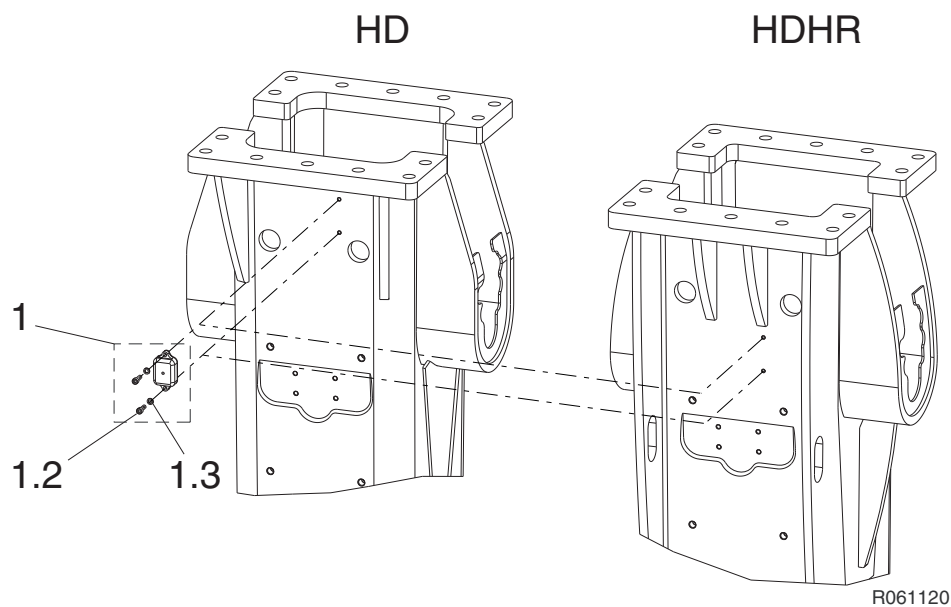
Service kit 953385



This summary only indicates the position of the seals. It must NOT be used as assembly instruction. Read the manual.

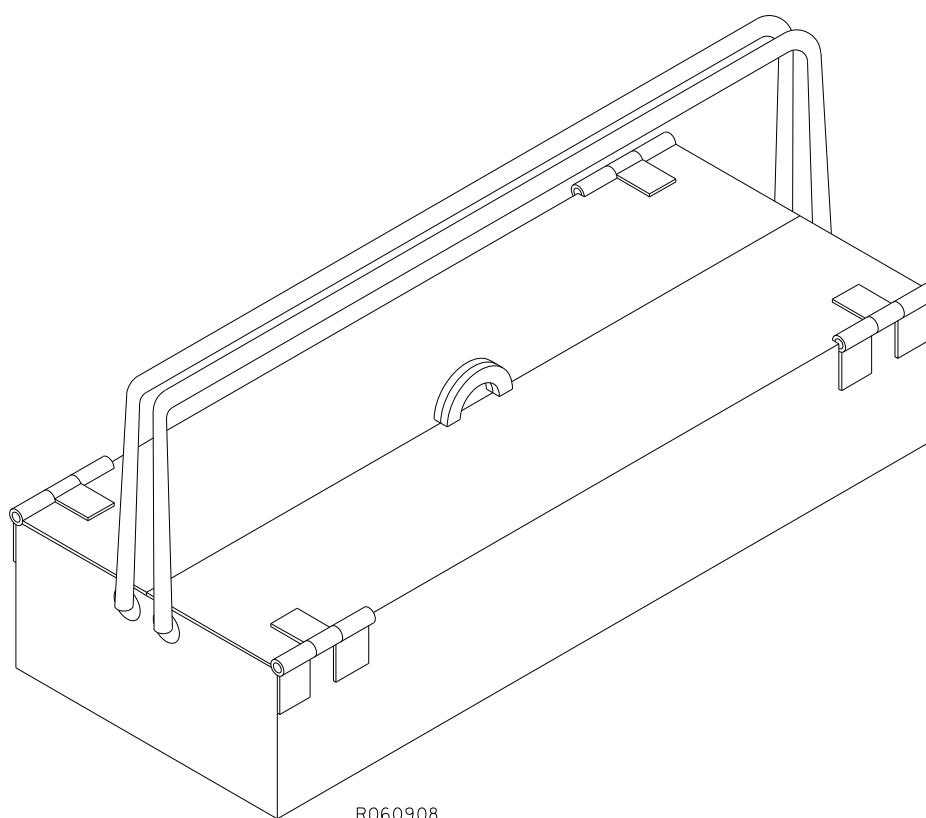
R061096

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.				

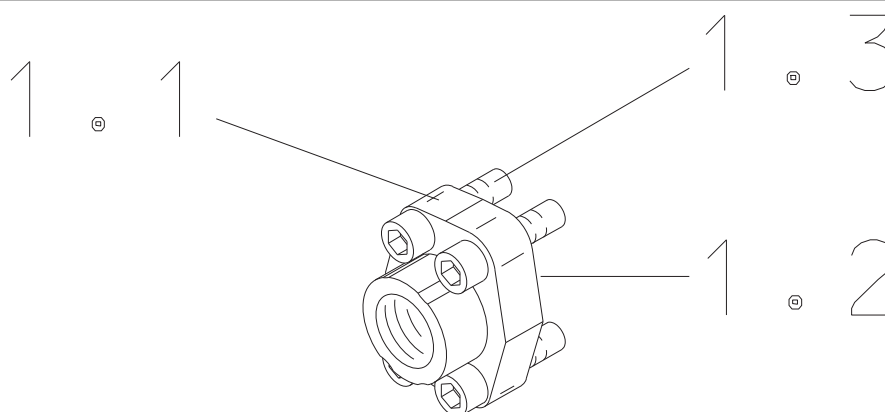
24. RAMDATA II SERVICE INDICATOR

Item	Description	Part no.	Specification	Note	Qty
1	Ramdata II service indicator (incl. parts 1.2-1.3)	159143			1
1.2	Hex. socket screw	91020	M8x25- 8.8 ISO 4762		2
1.3	Lock washer	91011	M8 NORD-LOCK		2

25. TOOL BOX R2



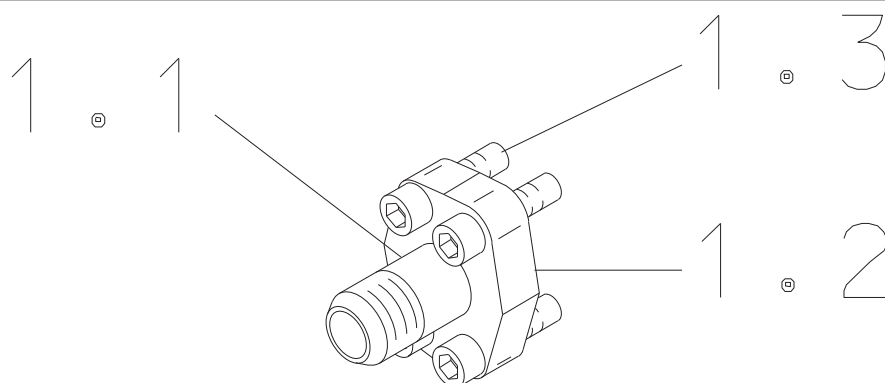
Item	Description	Part no.	Specification	Note	Qty
Kit	Tool box R2 (incl. parts 1-11)	173748			1
1	Tool box	N/A			1
2	Grease gun	90202			1
3	Tool grease	902045			1
4	Grease cartridge	951370			1
5	Puller	150020			1
6	Combination spanner	N/A	12		1
7	Screwdriver	N/A	6x150		1
8	Flange plug	90444	R3/8		3
9	Flange plug	90403	R1/4		1
10	Grease nipple	953767	R3/8		2
11	Safety glasses	N/A			1

26. COUPLING SET

R061423

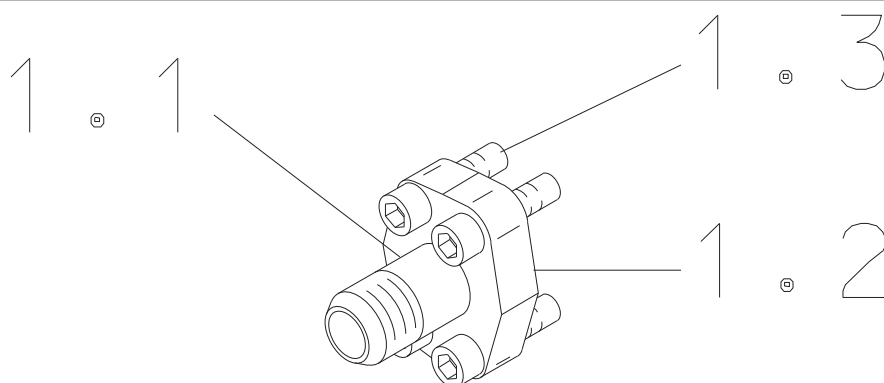
Item	Description	Part no.	Specification	Note	Qty
1	Coupling set (incl. parts 1.1-1.3)	400587			1
1.1	Flange	90531	SAE 1 1/4 6000 psi - BSP 1 1/4 FEMALE		2
1.2	O-ring	90009			2
1.3	Hexagon socket screw	90593	M14x45-8.8 ISO 4762		8

27. COUPLING SET



R061424

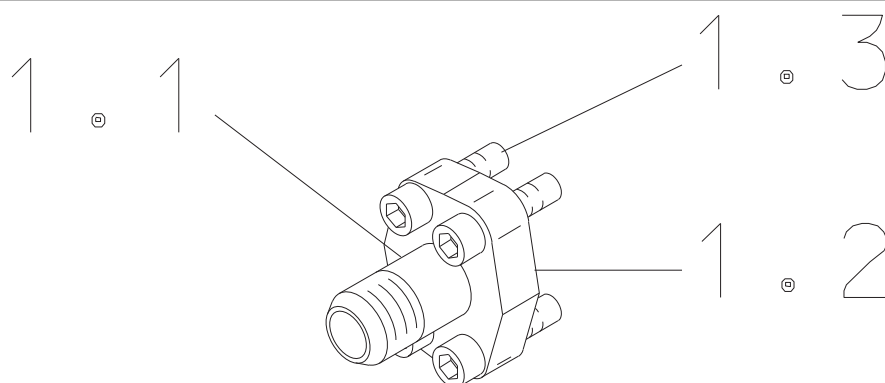
Item	Description	Part no.	Specification	Note	Qty
1	Coupling set (incl. parts 1.1-1.3)	400599			1
1.1	Flange	915069	SAE 1 1/4 6000 psi - JIC 20, 1 5/8-12 MALE		2
1.2	O-ring	90009			2
1.3	Hexagon socket screw	90593	M14x45-8.8 ISO 4762		8

28. COUPLING SET

R061425

Item	Description	Part no.	Specification	Note	Qty
1	Coupling set (incl. parts 1.1-1.3)	400591			1
1.1	Flange	915055	SAE 1 1/4 6000 psi - JIS 30° BSP 1 1/4 MALE		2
1.2	O-ring	90009			2
1.3	Hexagon socket screw	90593	M14x45-8.8 ISO 4762		8

29. COUPLING SET



R061426

Item	Description	Part no.	Specification	Note	Qty
1	Coupling set (incl. parts 1.1-1.3)	400590			1
1.1	Flange	915071	SAE 1 6000 psi - M52x2 MALE		2
1.2	O-ring	90009			2
1.3	Hexagon socket screw	90593	M14x45-8.8 ISO 4762		8

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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