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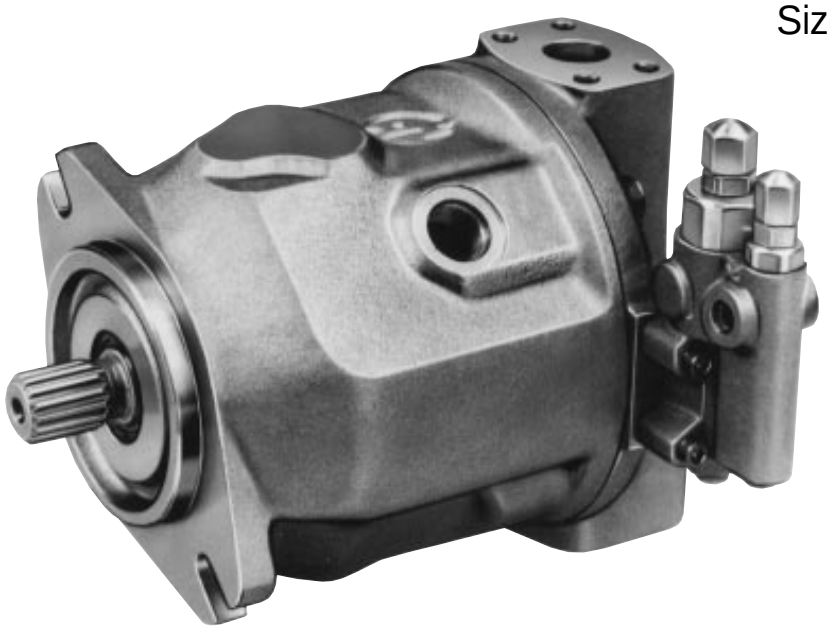
Mobile Division

E

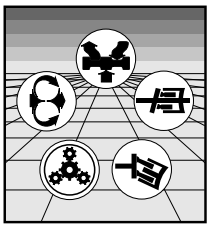
Service Parts List

A10VO

Series 31
Size 45



RA 92701-03-E
12.94



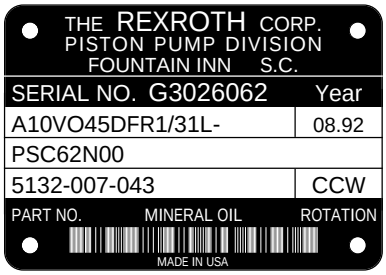
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Ordering of Parts

For Rexroth to supply the correct parts for your unit, please include all of the following information along with your parts order.

Model Code
Serial Number
Unit Number
Part Name
Part Number

Due to modifications and improvements to our products, minor changes can occur to the parts, even though the type code may not necessarily reflect these changes. The type number and serial number will guarantee that the correct parts for your unit are suppied.

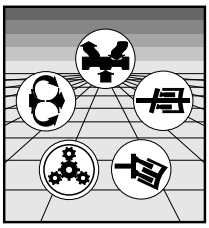


Ordering Example

To order a replacement rotary group for an A10VO variable displacement pump having the above nameplate, the following information would be required.

+	**Model Code**	**A10VO45DFR1/31L-PSC62N00**
+	**Serial Number**	**G3026062**
+	**Unit Number**	**5132-007-043**
*****	**Part Name**	**Rotary Group**
*****	**Part Number**	**BH00914154**

\+ This information is taken from the nameplate on the pump.
* This information is taken from the Service Parts List.



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Assembly Veiws and Parts

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Sub-Assembly Veiws and Parts

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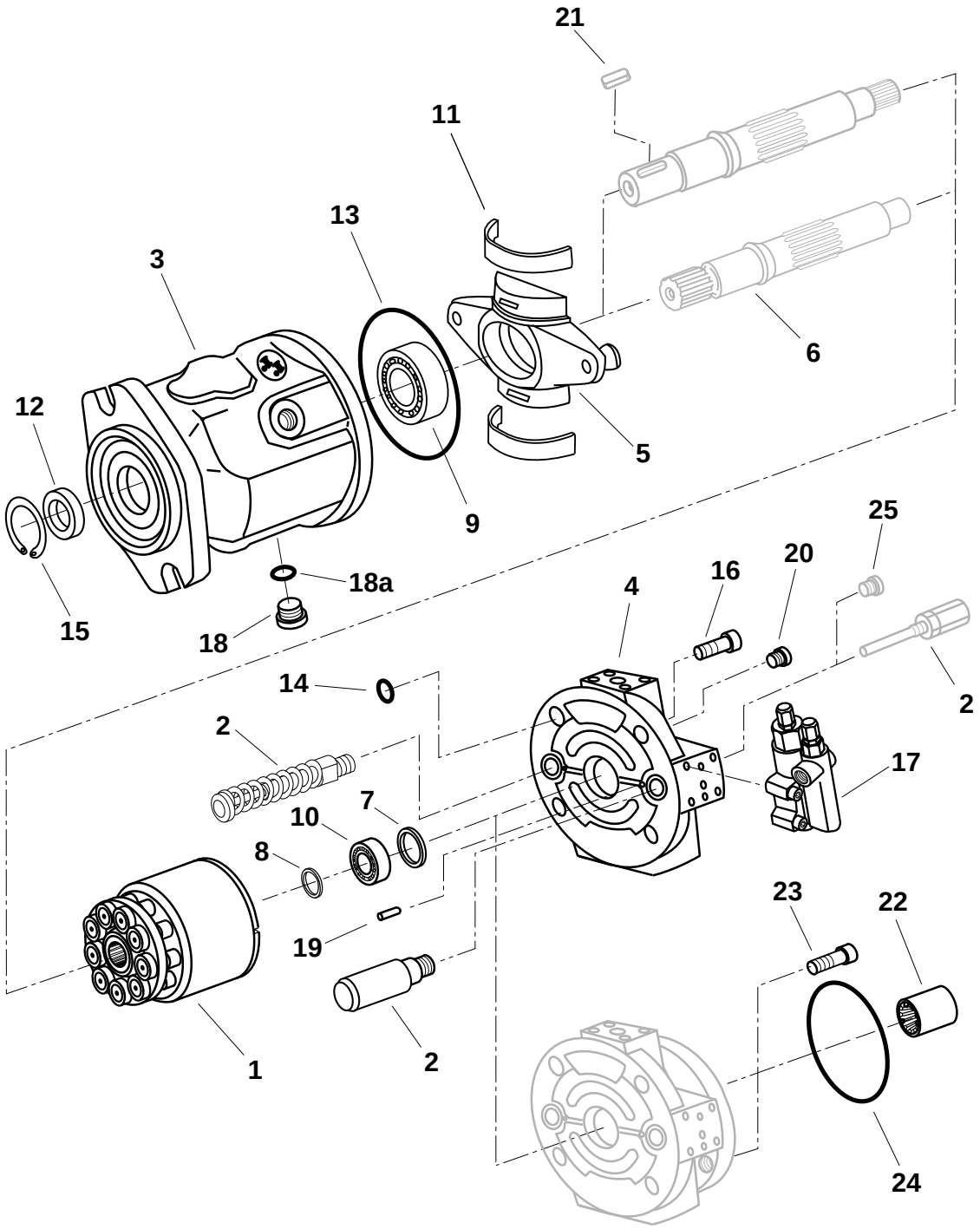
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BH00910852 12–13
BH00910850 14–15
BH00916311 16–17

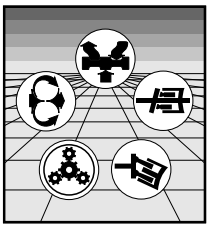
Compensators
BH00907094 18–19
BH00907095 18–19
BH00907096 18–19
BH00907370 18–19
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Assembly Number
A10V(S)O45





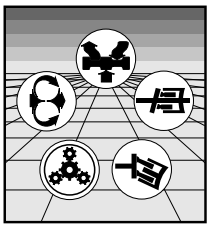
MANNESMANN REXROTH

Assembly Number
A10V(S)O45

Item	Description	Qty	Part Number	Code
1	Rotary Group Assembly A10V(S)O45L	1	BH00914154	■
1	Rotary Group Assembly A10V(S)O45R	1	BH00900510	◆
2	Control-Piston Assembly	1	BH00910852	
2	Control-Piston Assembly (ASL Buna)	1	BH00910850	
2	Control-Piston Assembly (ASL FPM)	1	BH00916311	
3	Pump Housing	1	BH00915778	
4	Block-Port A10VO45/3XL...61N00	1	5130-542-001	
4	Block-Port A10VO45/3XL...62N00	1	5130-542-004	
4	Block-Port A10VO45/3XL...62K01	1	5130-542-002	
4	Block-Port A10VO45/3XL...62K02, K03, K04	1	5130-542-003	
4	Block-Port A10VO45/3XR...61N00	1	5130-542-005	
4	Block-Port A10VO45/3XR...62N00	1	5130-542-008	
4	Block-Port A10VO45/3XR...62K01	1	5130-542-006	
4	Block-Port A10VO45/3XR...62K02, K03, K04	1	5130-542-007	
5	Cradle Assembly A10V(S)O45/3XL	1	BH00961026	■
5	Cradle Assembly A10V(S)O45/3XR	1	BH00961024	◆
6	Shaft-Drive 13T W/O T/Drive	1	BH00926325	
6	Shaft-Drive 13T With T/Drive	1	BH00926326	
6	Shaft-Drive 15T W/O T/Drive	1	BH00923309	
6	Shaft-Drive 15T With T/Drive	1	BH00923743	
6	Shaft-Drive Keyed W/O T/Drive	1	BH00923308	
6	Shaft-Drive Keyed With T/Drive	1	BH00926335	
7	Washer	1	BH00743879	
8	Adjusting Disc A10V(S)O45 (3.00 mm)	1	BH00938955	
8	Adjusting Disc A10V(S)O45 (2.10 mm)	0	B938955-210	
8	Adjusting Disc A10V(S)O45 (2.15 mm)	0	B938955-215	
8	Adjusting Disc A10V(S)O45 (2.20 mm)	0	B938955-220	
8	Adjusting Disc A10V(S)O45 (2.25 mm)	0	B938955-225	
8	Adjusting Disc A10V(S)O45 (2.30 mm)	0	B938955-230	
8	Adjusting Disc A10V(S)O45 (2.35 mm)	0	B938955-235	
8	Adjusting Disc A10V(S)O45 (2.40 mm)	0	B938955-240	
8	Adjusting Disc A10V(S)O45 (2.45 mm)	0	B938955-245	
8	Adjusting Disc A10V(S)O45 (2.50 mm)	0	B938955-250	

■ **Contained in Rotary group Kit 5130-635-018**

◆ **Contained in Rotary group Kit 5130-635-017**

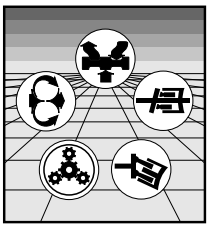


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Assembly Number
A10V(S)O45

Item	Description	Qty	Part Number	Code
8	Adjusting Disc A10V(S)O45 (2.55 mm)	0	B938955-255	
8	Adjusting Disc A10V(S)O45 (2.60 mm)	0	B938955-260	
8	Adjusting Disc A10V(S)O45 (2.65 mm)	0	B938955-265	
8	Adjusting Disc A10V(S)O45 (2.70 mm)	0	B938955-270	
8	Adjusting Disc A10V(S)O45 (2.75 mm)	0	B938955-275	
8	Adjusting Disc A10V(S)O45 (2.80 mm)	0	B938955-280	
8	Adjusting Disc A10V(S)O45 (2.85 mm)	0	B938955-285	
8	Adjusting Disc A10V(S)O45 (2.90 mm)	0	B938955-290	
8	Adjusting Disc A10V(S)O45 (2.95 mm)	0	B938955-295	
9	Bearing-Tapered Roller	1	70109-004	▲
10	Bearing-Tapered Roller	1	70109-005	▲
11	Bearing-Cradle	2	BH00900198	▲
12	Seal-Shaft (FPM)	1	BH00793671	❊ ★
13	O-Ring (75/80 Duro Buna 2.5 x 167)	1	68111-035	❊
13	O-Ring (75/80 Duro FPM 2.5 x 167)	1	68112-170	★
14	O-Ring (75/80 Duro Buna 15 x 2.0)	4	68111-013	❊
14	O-Ring (75/80 Duro FPM 15 x 2.0)	4	68112-033	★
15	Seeger V-Ring	1	BH00776939	
16	Cap Screw (M12 x 40 DIN 912-10.9)	4	60119-138	
17	Control Valve Assembly, DFR (Buna)	1	BH00907094	
17	Control Valve Assembly, DR (Buna)	1	BH00907095	
17	Control Valve Assembly, DFR1 (Buna)	1	BH00907096	
17	Control Valve Assembly, DFR (FPM)	1	BH00907371	
17	Control Valve Assembly, DR (FPM)	1	BH00907370	
17	Control Valve Assembly, DFR1 (FPM)	1	BH00908384	
18	Plug (SAE 7/8-14) (Buna)	1	76107-010	
18	Plug (SAE 7/8-14) (FPM)	1	76122-010	
18a	O-Ring (90 Duro Buna, PRP 910)	1	68105-910	❊ ◗
18a	O-Ring (75 Duro FPM, PRP 910)	1	68106-910	★ ❑

❊ **Contained in Buna Seal Kit 5130-635-011**
★ **Contained in FPM Seal Kit 5130-635-013**
▲ **Contained in Bearing Kit 5130-635-020**
◗ **Included with 76107-010**
❑ **Included with 76122-010**



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Assembly Number
A10V(S)O45

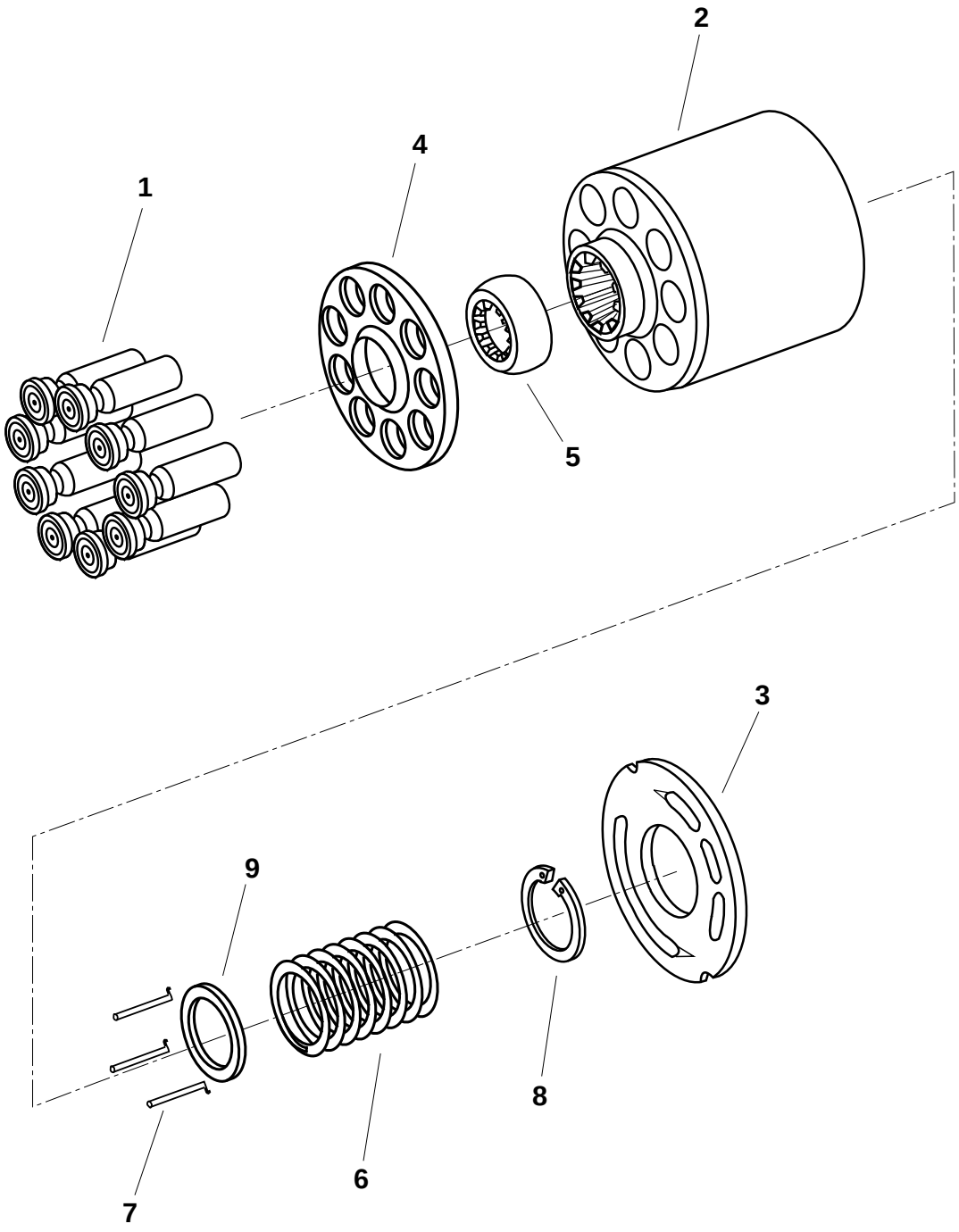
Item	Description	Qty	Part Number	Code
19	Dowel Pin (6 x 18 mm DIN 6325)	1	69116-004	
20	Plug (Buna M10 x 1.0 DIN 3852)	1	76116-004	❊
20	Plug (FPM M10 x 1.0 DIN 3852)	1	76123-002	★
21	Key	1	BH00749265	
22	Coupling A10VO45/..K01	1	BH00943529	
22	Coupling A10VO45/..K02	1	BH00943531	
22	Coupling A10VO45/..K03	1	BH00763764	
22	Coupling A10VO45/..K04	1	BH00738476	
22	Coupling A10VO45/..K05	1	BH00766933	
23	Cap Screw (M10 x 25 DIN 912-8.8) K01	2	60118-111	
23	Cap Screw (M12 x 30 DIN 912-8.8) K02, K03, K04	2	60118-139	
24	O-Ring (75/80 Duro Buna 2 x 83) K01	1	68111-042	❊
24	O-Ring (75/80 Duro FPM 2 x 83) K01	1	68112-167	★
24	O-Ring (75/80 Duro Buna 2 x 103) K02, K03, K04	1	68111-208	❊
24	O-Ring (75/80 Duro FPM 2 x 103) K02, K03, K04	1	68112-165	★
25	Plug (Buna M10 x 1.0 DIN 3852)	1	76116-004	❊
25	Plug (FPM M10 x 1.0 DIN 3852)	1	76123-002	★

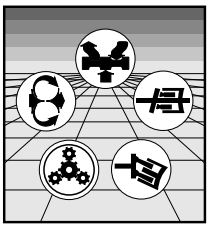
❊ **Contained in Buna Seal Kit 5130-635-011**

★ **Contained in FPM Seal Kit 5130-635-013**

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Assembly Number
BH00914154





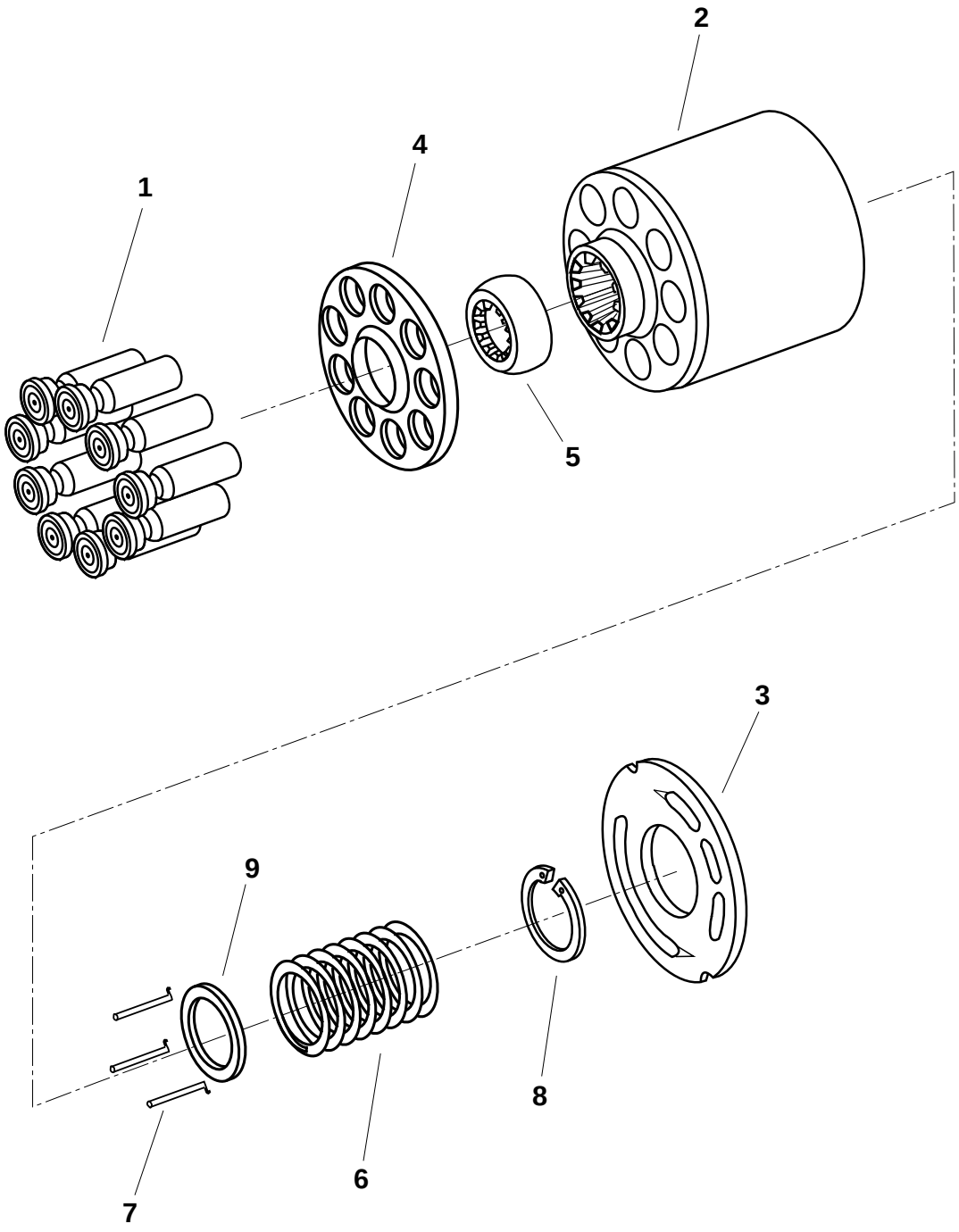
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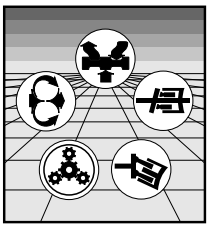
Assembly Number
BH00914154

Item	Description	Qty	Part Number	Code
1	Piston	9	BH00925460	
2	Barrel A10V45	1	BH00907001	
3	Lens Plate A10V45/..L	1	BH00936644	
4	Retaining Plate	1	BH00943627	
5	Retaining Ball	1	BH00941318	
6	Spring	1	BH00071072	
7	Pressure Pin	3	BH00941277	
8	Retaining Ring 38 x 1.5	1	BH00912520	
9	Disc-Retaining Clip 27.5 x 36.5	1	BH00939056	

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Assembly Number
BH00900510

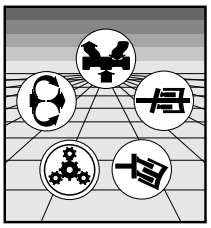




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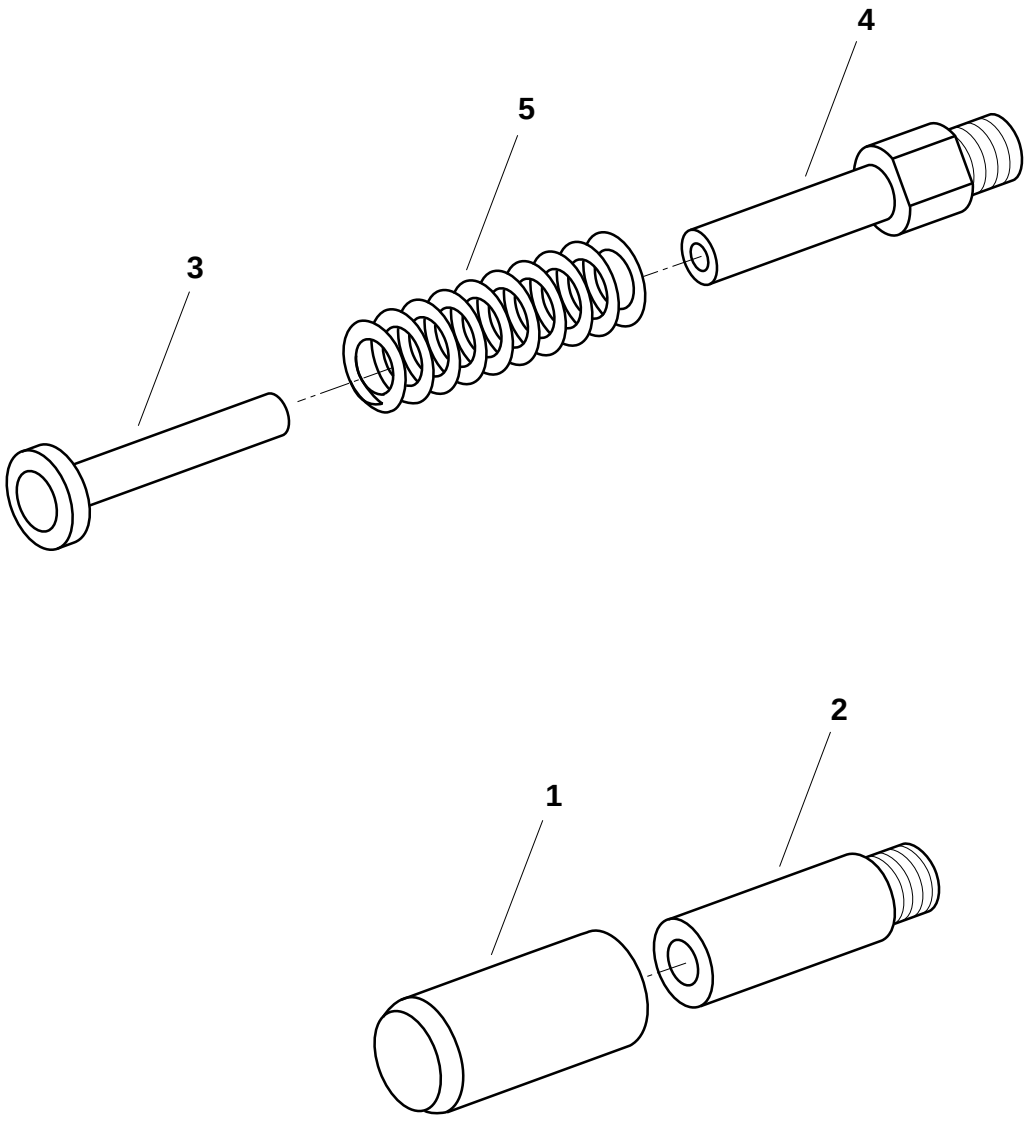
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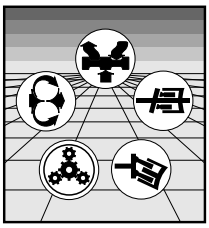
Item	Description	Qty	Part Number	Code
1	Piston	9	BH00925466	
2	Barrel A10V45	1	BH00907001	
3	Lens Plate A10V45/..R	1	BH00936645	
4	Retaining Plate	1	BH00943627	
5	Retaining Ball	1	BH00941318	
6	Spring	1	BH00071072	
7	Pressure Pin	3	BH00941277	
8	Retaining Ring 38 x 1.5	1	BH00912520	
9	Disc-Retaining Clip 27.5 x 36.5	1	BH00939056	



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Assembly Number
BH00910852

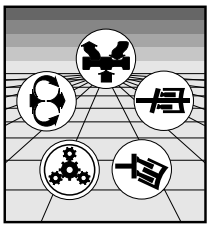




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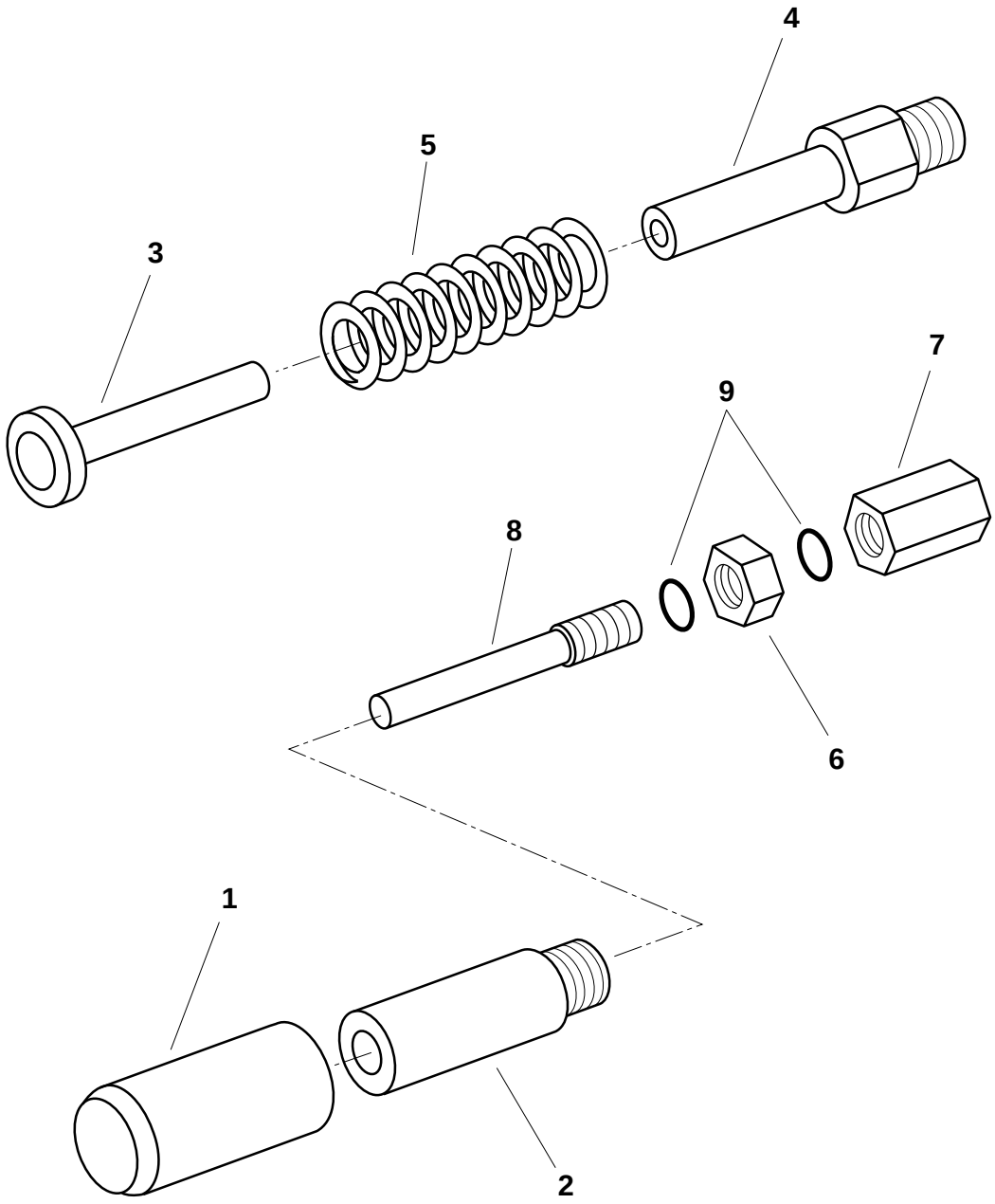
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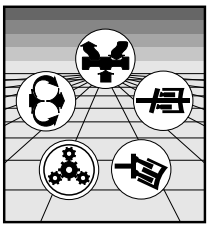
Item	Description	Qty	Part Number	Code
1	Control Piston	1	BH00910596	
2	Control Piston Guide	1	BH00910598	
3	Counter Piston	1	BH00909054	
4	Counter Piston Guide	1	BH00737291	
5	Spring	1	BH00790079	



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Assembly Number
BH00910850



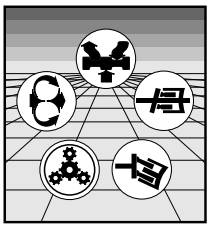


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Assembly Number
BH00910850

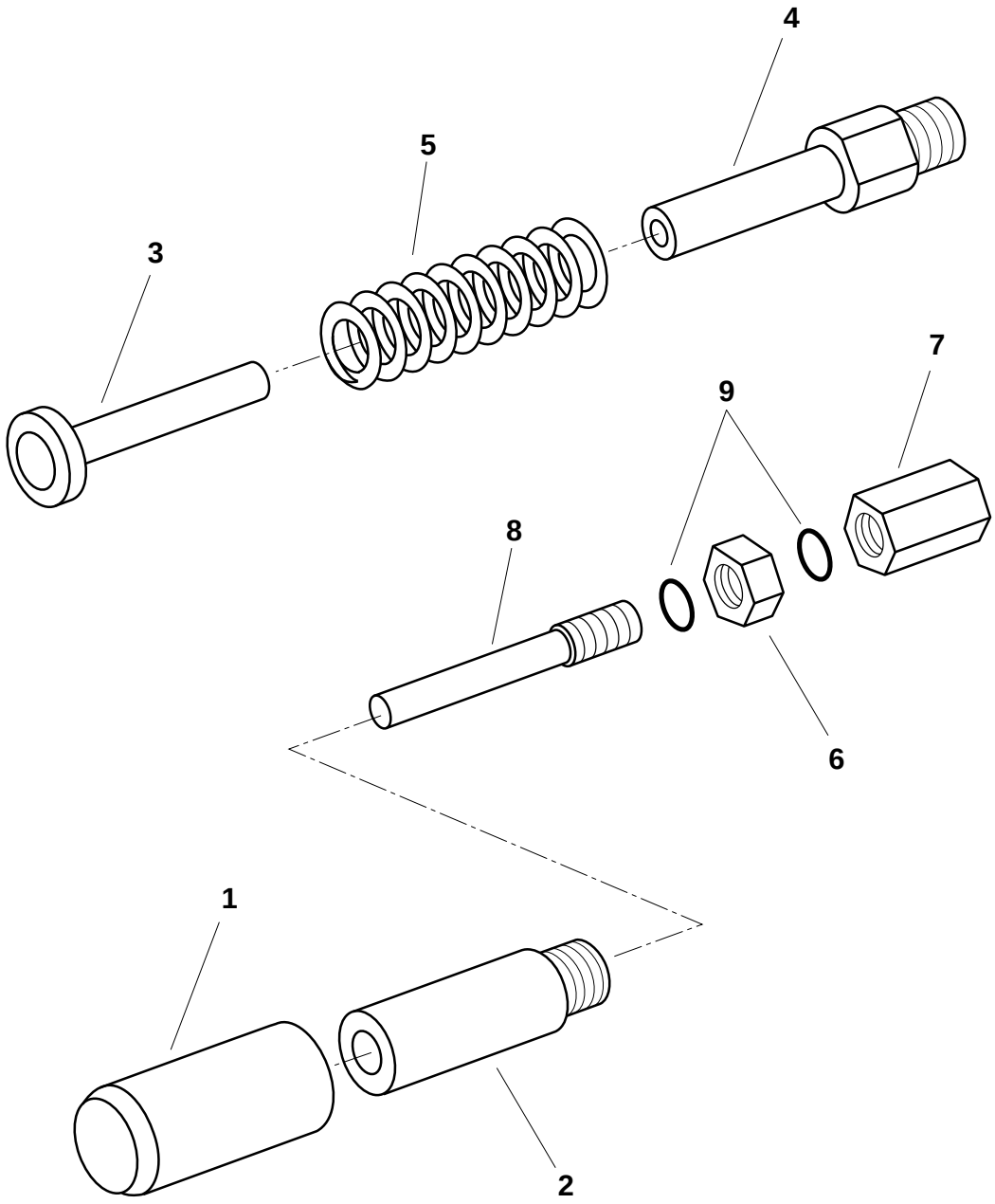
Item	Description	Qty	Part Number	Code
1	Control Piston	1	BH00910596	
2	Control Piston Guide	1	BH00910981	
3	Counter Piston	1	BH00909054	
4	Counter Piston Guide	1	BH00737291	
5	Spring	1	BH00790079	
6	Lock Nut	1	BH00903390	
7	Acorn Nut	1	BH00903349	
8	Screw, Max volume adjustment	1	BH00904626	
9	O-Ring (90 Duro Buna PRP-015)	2	68104-015	❊

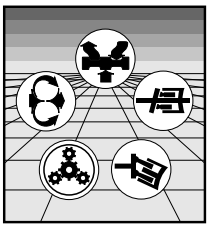
❊ **Contained in Buna Seal Kit 5130-635-011**



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Assembly Number
BH00916311



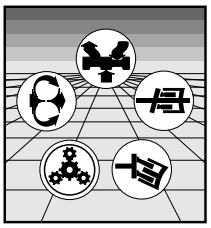


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Assembly Number
BH00916311

Item	Description	Qty	Part Number	Code
1	Control Piston	1	BH00910596	
2	Control Piston Guide	1	BH00910981	
3	Counter Piston	1	BH00909054	
4	Counter Piston Guide	1	BH00737291	
5	Spring	1	BH00790079	
6	Lock Nut	1	BH00903390	
7	Acorn Nut	1	BH00903349	
8	Screw, Max volume adjustment	1	BH00904626	
9	O-Ring (90 Duro FPM PRP-015)	2	68109-015	★

★ **Contained in FPM Seal Kit 5130-635-013**

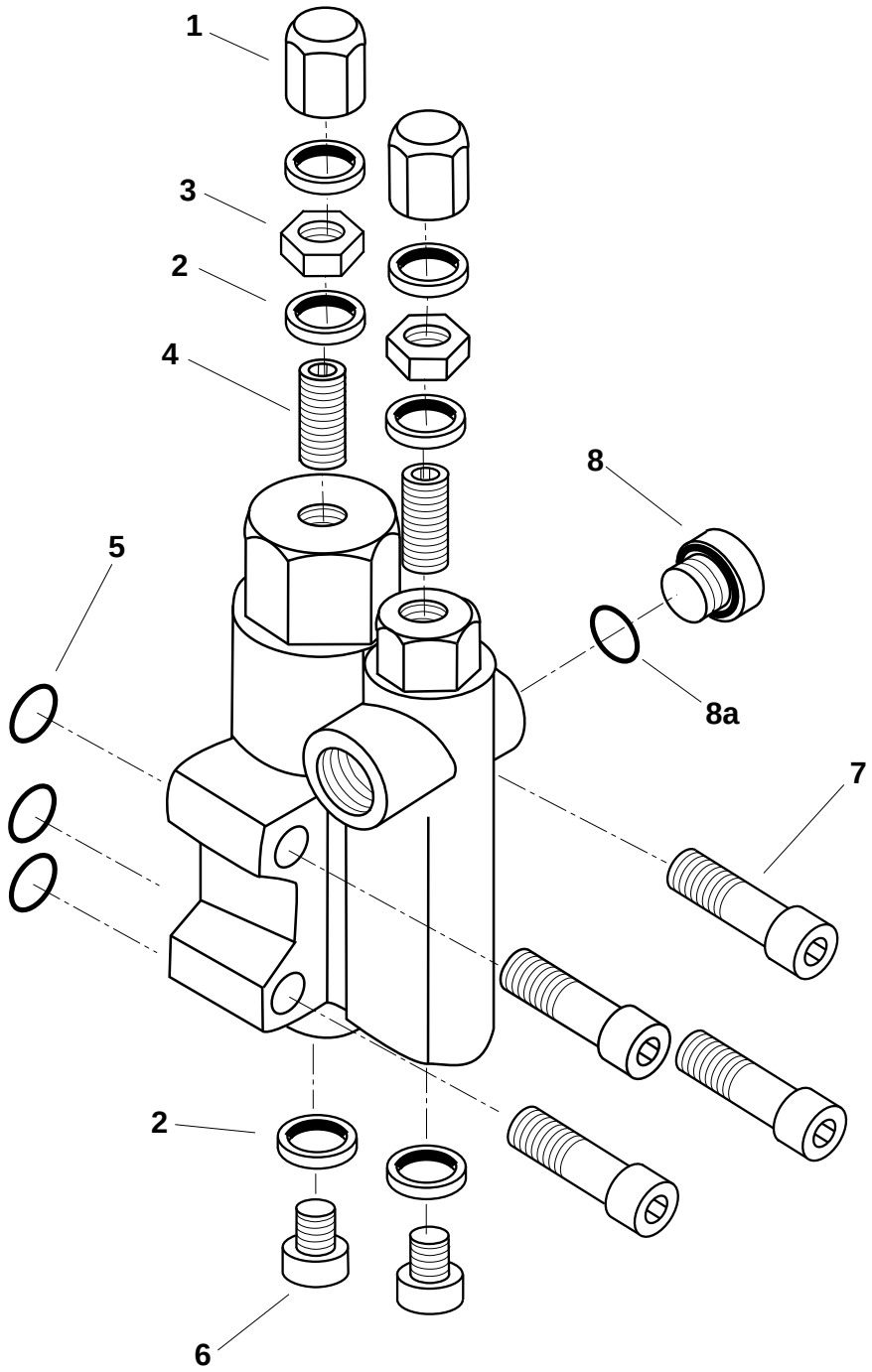


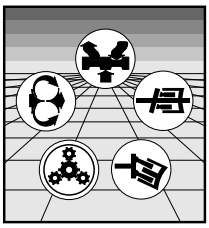
MANNESMANN REXROTH

Assembly Number

Buna: **BH00907094, BH00907095, BH00907096**

FPM: **BH00907370, BH00907371, BH00908384**





MANNESMANN REXROTH

Assembly Number

Buna: **BH00907094, BH00907095, BH00907096**

FPM: **BH00907370, BH00907371, BH00908384**

Item	Description	Qty	Part Number	Code
1	Acorn Nut (M8 x 1)	2	BH00913805	
2	Usit Ring Buna (9.3 x 13.3 x 10)	6	BH00114774	❊
2	Usit Ring FPM (9.3 x 13.3 x 10)	6	BH00642827	★
3	Jam Nut (M8 x 1)	2	BH00913806	
4	Adjusting Screw (M8 x 1)	2	BH00913807	
5	O-Ring (90 Duro Buna PRP-011)	3	68104-011	❊
5	O-Ring (90 Duro FPM PRP-011)	3	68109-011	★
6	Plug (M8 x 1)	2	76118-009	
7	Cap Screw (M6 x 30 DIN 912-10.9)	4	60119-058	
8	Plug (SAE 7/16-20) (Buna)	1	76107-004	
8	Plug (SAE 7/16-20) (FPM)	1	76122-004	
8a	O-Ring (90 Duro Buna, PRP-904)	1	68105-904	❊
8a	O-Ring (75 Duro FPM, PRP-904)	1	68106-904	★

❊ **Contained in Seal Kit 5130-635-011**

★ **Contained in Seal Kit 5130-635-013**

Specifications, descriptions, and illustrative material shown herein were as accurate as known at the time this publication was printed. Rexroth reserves the right to discontinue models or options at any time or to change specifications, materials, or designs without notice and without incurring obligation.

Optional equipment and accessories may add cost to the basic unit, and some options are available only in combination with certain models or other options.

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