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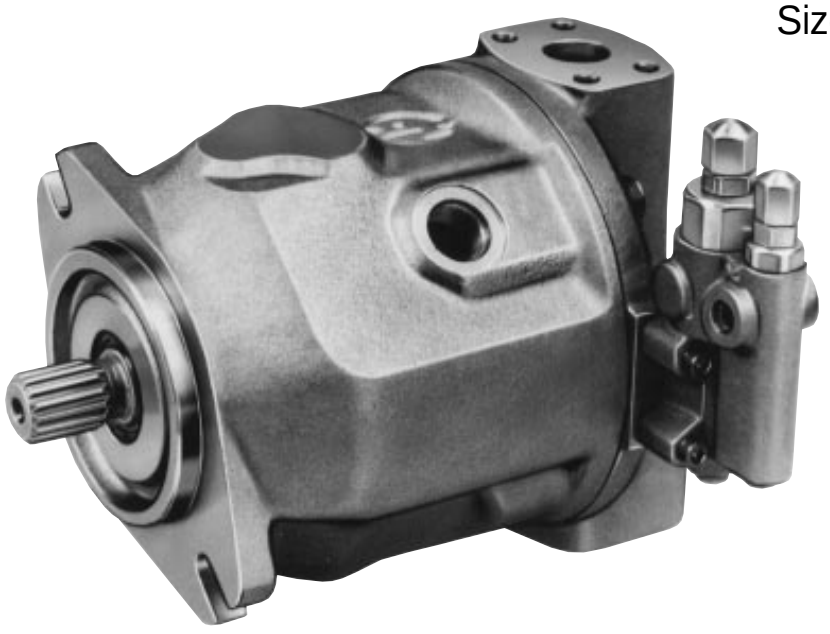
Mobile Division

E

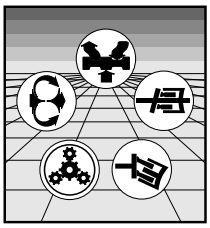
**Service Parts List**

# A10VO

Series 31
Size 71



RA 92701-04-E
12.94



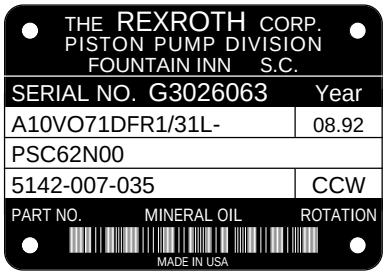
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## Ordering of Parts

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.

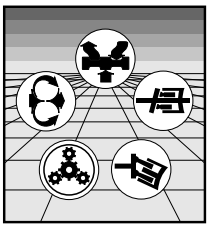



## Ordering Example

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

| | | |
|---|---|---|
| **+** | **Model Code** | **A10VO71DFR1/31L-PSC62N00** |
| **+** | **Serial Number** | **G3026063** |
| **+** | **Unit Number** | **5142-007-035** |
| ***** | **Part Name** | **Rotary Group** |
| ***** | **Part Number** | **BH00911929** |

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



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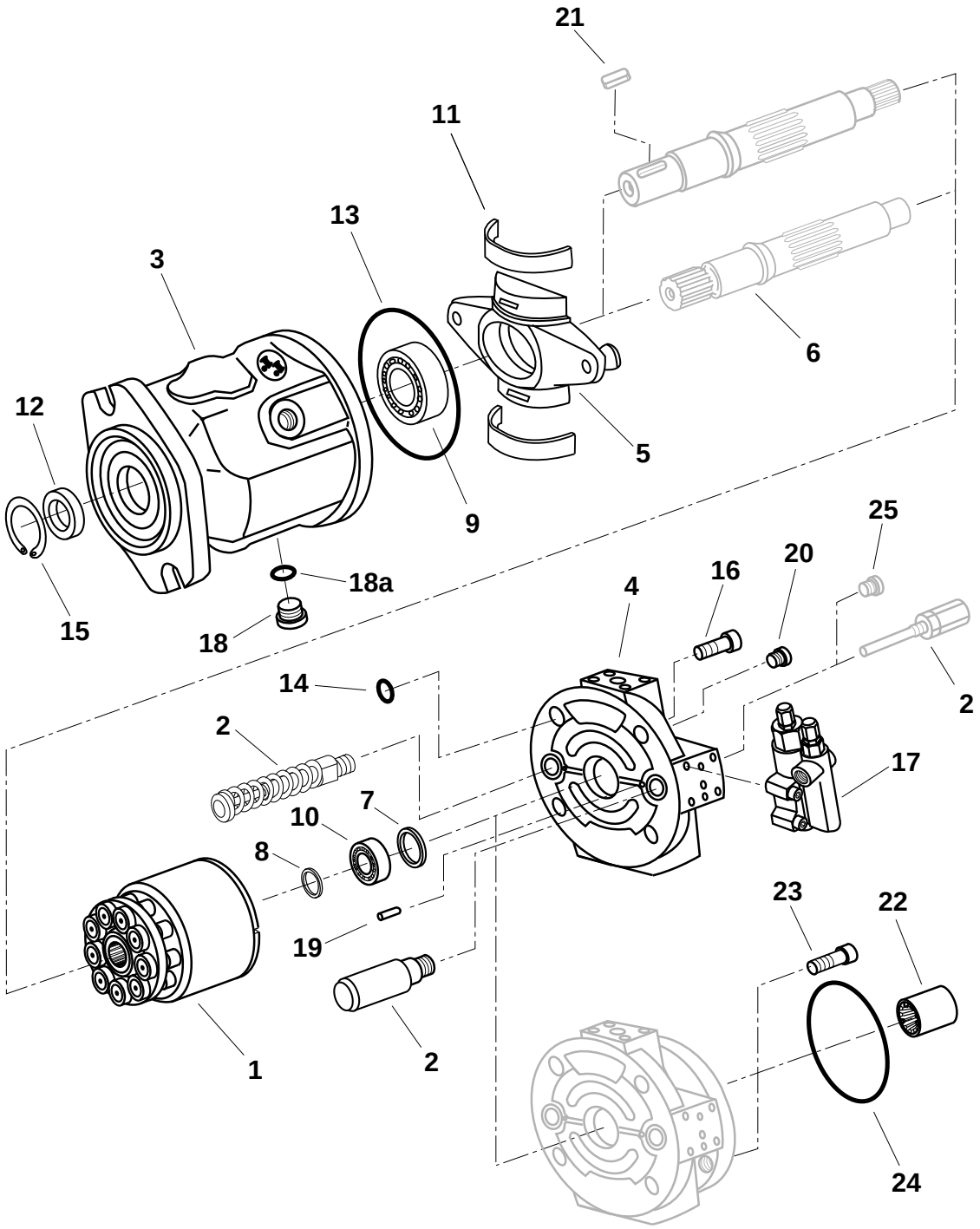
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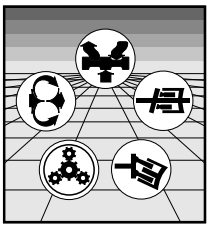
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Assembly Number
**A10V(S)O71**





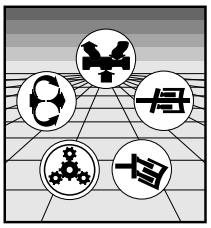
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Assembly Number
**A10V(S)O71**

| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 1 | Rotary Group Assembly A10V(S)O71L | 1 | BH00911929 | ■ |
| 1 | Rotary Group Assembly A10V(S)O71R | 1 | BH00956007 | ◆ |
| 2 | Control-Piston Assembly | 1 | BH00910873 | |
| 2 | Control-Piston Assembly (ASL Buna) | 1 | BH00910870 | |
| 2 | Control-Piston Assembly (ASL FPM) | 1 | BH00916310 | |
| 3 | Pump Housing | 1 | BH00915775 | |
| 4 | Block-Port A10VO71/31L...61N00 | 1 | 5140-542-016 | |
| 4 | Block-Port A10VO71/31L...62N00 | 1 | 5140-542-014 | |
| 4 | Block-Port A10VO71/31L...62K01 | 1 | 5140-542-018 | |
| 4 | Block-Port A10VO71/31L...62K02, K03, K04 | 1 | 5140-542-020 | |
| 4 | Block-Port A10VO71/31L...62K07, K08 | 1 | 5140-542-022 | |
| 4 | Block-Port A10VO71/31R...61N00 | 1 | 5140-542-015 | |
| 4 | Block-Port A10VO71/31R...62N00 | 1 | 5140-542-013 | |
| 4 | Block-Port A10VO71/31R...62K01 | 1 | 5140-542-017 | |
| 4 | Block-Port A10VO71/31R...62K02, K03, K04 | 1 | 5140-542-019 | |
| 4 | Block-Port A10VO71/31R...62K07, K08 | 1 | 5140-542-021 | |
| 5 | Cradle Assembly A10V(S)O71/3XL | 1 | BH00961020 | ■ |
| 5 | Cradle Assembly A10V(S)O71/3XR | 1 | BH00961017 | ◆ |
| 6 | Shaft-Drive 14T W/O T/Drive | 1 | BH00923553 | |
| 6 | Shaft-Drive 14T With T/Drive | 1 | BH00923471 | |
| 6 | Shaft-Drive Keyed W/O T/Drive | 1 | BH00926333 | |
| 6 | Shaft-Drive Keyed With T/Drive | 1 | BH00926334 | |
| 7 | Washer | 1 | BH00744131 | |
| 8 | Adjusting Disc A10V(S)O71 (3.00 mm) | 1 | BH00939005 | |
| 8 | Adjusting Disc A10V(S)O71 (2.10 mm) | 0 | B939005-210 | |
| 8 | Adjusting Disc A10V(S)O71 (2.15 mm) | 0 | B939005-215 | |
| 8 | Adjusting Disc A10V(S)O71 (2.20 mm) | 0 | B939005-220 | |
| 8 | Adjusting Disc A10V(S)O71 (2.25 mm) | 0 | B939005-225 | |
| 8 | Adjusting Disc A10V(S)O71 (2.30 mm) | 0 | B939005-230 | |
| 8 | Adjusting Disc A10V(S)O71 (2.35 mm) | 0 | B939005-235 | |
| 8 | Adjusting Disc A10V(S)O71 (2.40 mm) | 0 | B939005-240 | |
| 8 | Adjusting Disc A10V(S)O71 (2.45 mm) | 0 | B939005-245 | |
| 8 | Adjusting Disc A10V(S)O71 (2.50 mm) | 0 | B939005-250 | |

■ **Contained in Rotary group Kit 5140-635-012**

◆ **Contained in Rotary group Kit 5140-635-011**

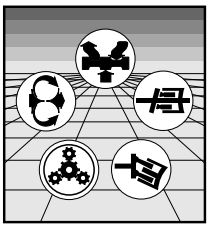


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Assembly Number
**A10V(S)O71**

| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 8 | Adjusting Disc A10V(S)O71 (2.55 mm) | 0 | B939005-255 | |
| 8 | Adjusting Disc A10V(S)O71 (2.60 mm) | 0 | B939005-260 | |
| 8 | Adjusting Disc A10V(S)O71 (2.65 mm) | 0 | B939005-265 | |
| 8 | Adjusting Disc A10V(S)O71 (2.70 mm) | 0 | B939005-270 | |
| 8 | Adjusting Disc A10V(S)O71 (2.75 mm) | 0 | B939005-275 | |
| 8 | Adjusting Disc A10V(S)O71 (2.80 mm) | 0 | B939005-280 | |
| 8 | Adjusting Disc A10V(S)O71 (2.85 mm) | 0 | B939005-285 | |
| 8 | Adjusting Disc A10V(S)O71 (2.90 mm) | 0 | B939005-290 | |
| 8 | Adjusting Disc A10V(S)O71 (2.95 mm) | 0 | B939005-295 | |
| 9 | Bearing-Tapered Roller | 1 | 70109-007 | ▲ |
| 10 | Bearing-Tapered Roller | 1 | 70109-008 | ▲ |
| 11 | Bearing-Cradle | 2 | BH00902777 | ▲ |
| 12 | Seal-Shaft (FPM) | 1 | BH00764701 | ❊ ★ |
| 13 | O-Ring (75/80 Duro Buna 2.5 x 195) | 1 | 68111-033 | ❊ |
| 13 | O-Ring (75/80 Duro FPM 2.5 x 195) | 1 | 68112-002 | ★ |
| 14 | O-Ring (75/80 Duro Buna 17 x 2.0) | 4 | 68111-026 | ❊ |
| 14 | O-Ring (75/80 Duro FPM 17 x 2.0) | 4 | 68112-001 | ★ |
| 15 | Seeger V-Ring | 1 | BH00791555 | |
| 16 | Cap Screw (M14 x 40 DIN 912-10.9) | 4 | 60119-160 | |
| 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 (90 Duro FPM, PRP 910) | 1 | 68106-910 | ★ ❑ |

❊ **Contained in Buna Seal Kit 5140-635-005**
★ **Contained in FPM Seal Kit 5140-635-007**
▲ **Contained in Bearing Kit 5140-635-014**
◗ **Included with 76107-010**
❑ **Included with 76122-010**



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Assembly Number
**A10V(S)O71**

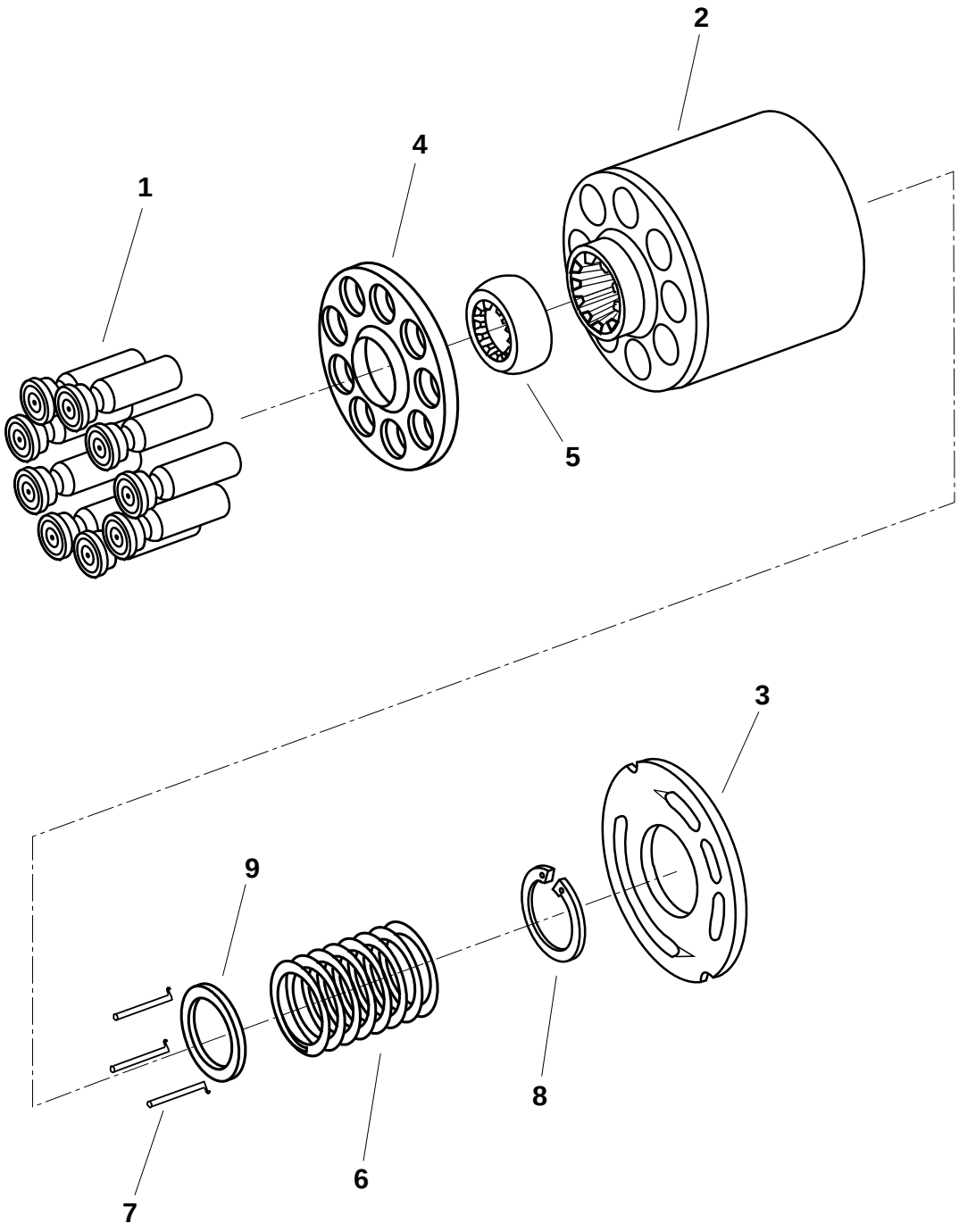
| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 19 | Dowel Pin (6 x 18 mm DIN 6325) | 1 | 69116-004 | |
| 20 | Plug (Buna M10 x 1.0 DIN 3852) | 1 | 76116-004 | ❊ |
| 20 | Plug (FPM M10 x 1.0 DIN 3852) | 1 | 76123-002 | ★ |
| 21 | Key | 1 | BH00749273 | |
| 22 | Coupling A10VO71/..K01 | 1 | BH00943545 | |
| 22 | Coupling A10VO71/..K02 | 1 | BH00943547 | |
| 22 | Coupling A10VO71/..K03 | 1 | BH00795682 | |
| 22 | Coupling A10VO71/..K04 | 1 | BH00943548 | |
| 22 | Coupling A10VO71/..K05 | 1 | BH00764906 | |
| 22 | Coupling A10VO71/..K07 | 1 | BH00943549 | |
| 22 | Coupling A10VO71/..K08 | 1 | BH00766895 | |
| 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 | |
| 23 | Cap Screw (M16 x 40 DIN 912-8.8) K07, K08 | 2 | 60118-190 | |
| 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 | ★ |
| 24 | O-Ring (75/80 Duro Buna 2 x 128) K07, K08 | 1 | 68111-212 | ❊ |
| 24 | O-Ring (75/80 Duro FPM 2 x 128) K07, K08 | 1 | 68112-166 | ★ |
| 25 | Plug (Buna M10 x 1.0 DIN 3852) | 1 | 76116-004 | ❊ |
| 25 | Plug (FPM M10 x 1.0 DIN 3852) | 1 | 76123-002 | ★ |

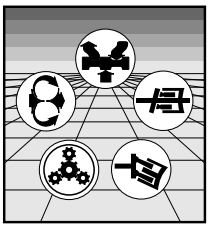
❊ **Contained in Buna Seal Kit 5140-635-005**

★ **Contained in FPM Seal Kit 5140-635-007**

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Assembly Number
**BH00911929**





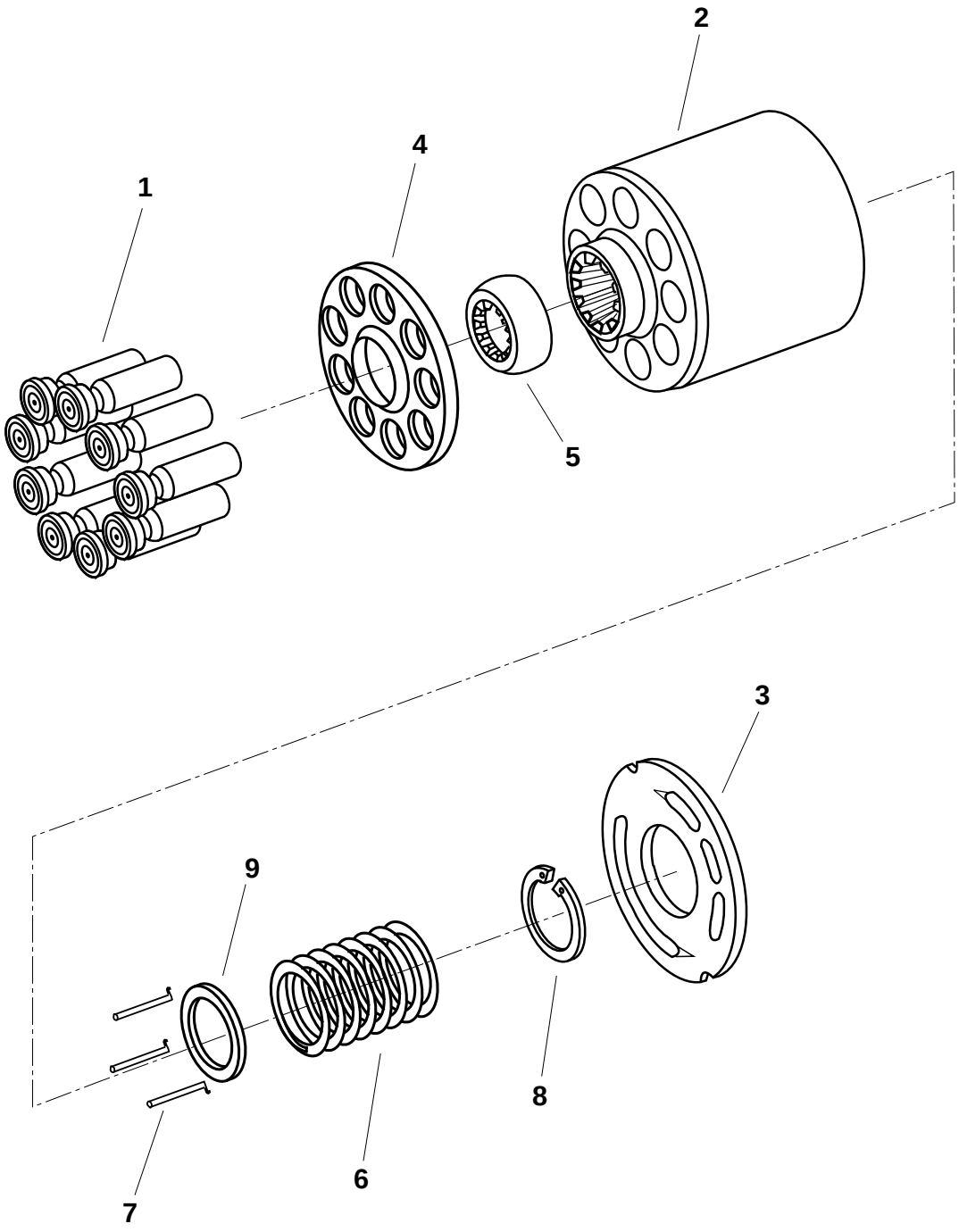
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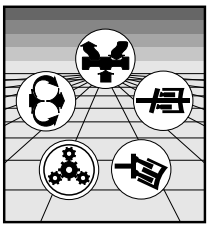
Assembly Number
**BH00911929**

| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 1 | Piston | 9 | BH00924554 | |
| 2 | Barrel A10V71 | 1 | BH00907126 | |
| 3 | Lens Plate A10V71/..L | 1 | BH00936640 | |
| 4 | Retaining Plate | 1 | BH00941714 | |
| 5 | Retaining Ball | 1 | BH00939847 | |
| 6 | Spring | 1 | BH00720178 | |
| 7 | Pressure Pin | 3 | BH00939848 | |
| 8 | Retaining Ring 45 x 1.75 | 1 | BH00919038 | |
| 9 | Disc-Retaining Clip 32 x 45 x 2.5 | 1 | BH00720186 | |

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Assembly Number
**BH00956007**

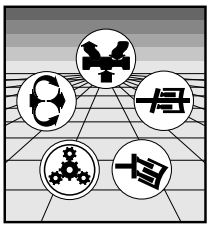




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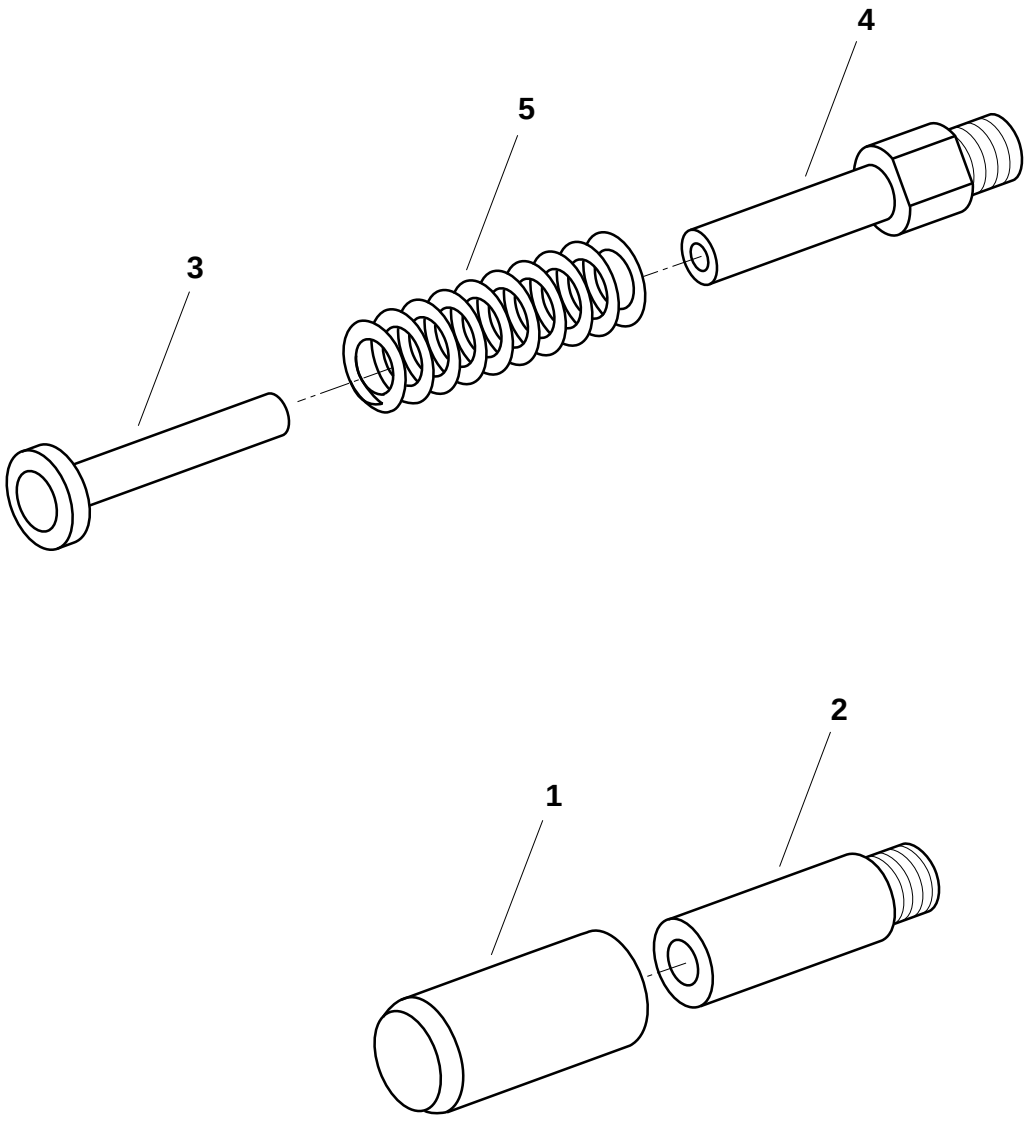
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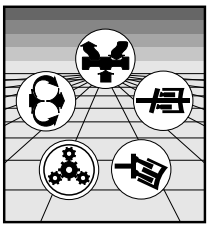
| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 1 | Piston | 9 | BH00924554 | |
| 2 | Barrel A10V71 | 1 | BH00907126 | |
| 3 | Lens Plate A10V71/..R | 1 | BH00936641 | |
| 4 | Retaining Plate | 1 | BH00941714 | |
| 5 | Retaining Ball | 1 | BH00939847 | |
| 6 | Spring | 1 | BH00720178 | |
| 7 | Pressure Pin | 3 | BH00939848 | |
| 8 | Retaining Ring 45 x 1.75 | 1 | BH00919038 | |
| 9 | Disc-Retaining Clip 32 x 45 x 2.5 | 1 | BH00720186 | |



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Assembly Number
**BH00910873**

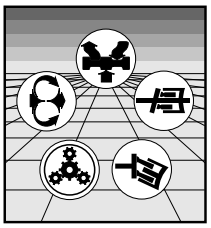




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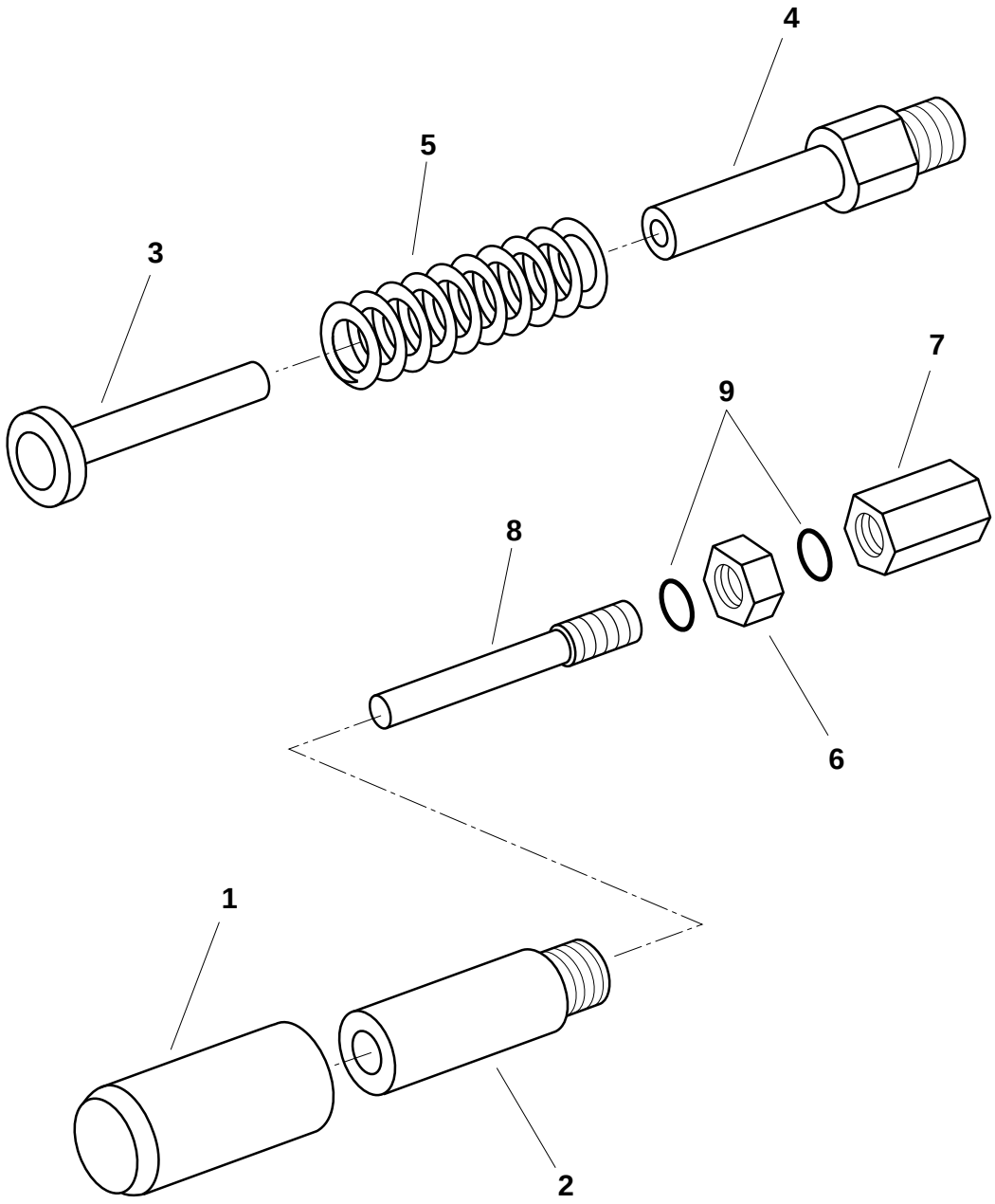
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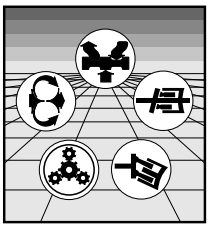
| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 1 | Control Piston | 1 | BH00910642 | |
| 2 | Control Piston Guide | 1 | BH00910644 | |
| 3 | Counter Piston | 1 | BH00908935 | |
| 4 | Counter Piston Guide | 1 | BH00737305 | |
| 5 | Spring | 1 | BH00790052 | |



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Assembly Number
**BH00910870**



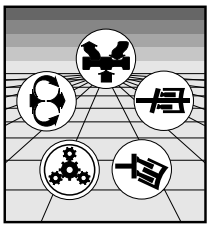


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Assembly Number
**BH00910870**

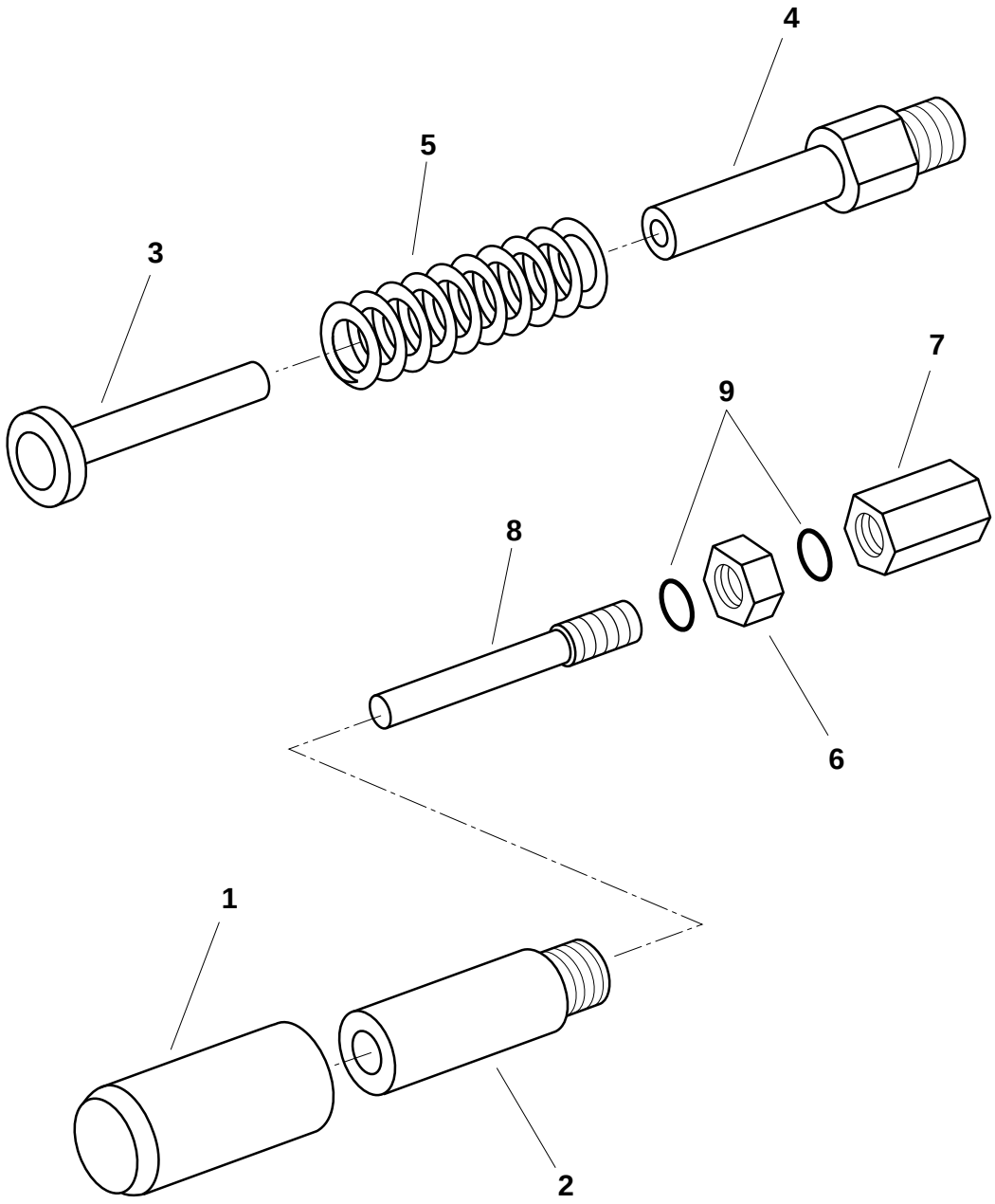
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|---|---|---|---|---|
| 1 | Control Piston | 1 | BH00910642 | |
| 2 | Control Piston Guide | 1 | BH00911035 | |
| 3 | Counter Piston | 1 | BH00908935 | |
| 4 | Counter Piston Guide | 1 | BH00737305 | |
| 5 | Spring | 1 | BH00790052 | |
| 6 | Lock Nut | 1 | BH00903387 | |
| 7 | Acorn Nut | 1 | BH00903389 | |
| 8 | Screw, Max volume adjustment | 1 | BH00904681 | |
| 9 | O-Ring (90 Duro Buna PRP-016) | 2 | 68104-016 | ❊ |

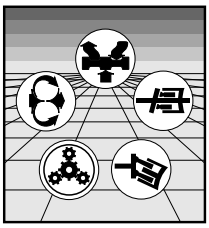
❊ **Contained in Buna Seal Kit 5140-635-005**



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REXROTH

Assembly Number
**BH00916310**



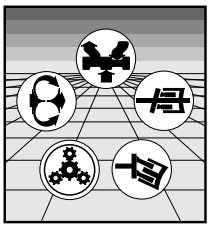


MANNESMANN
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Assembly Number
**BH00916310**

| Item | Description | Qty | Part Number | Code |
|---|---|---|---|---|
| 1 | Control Piston | 1 | BH00910642 | |
| 2 | Control Piston Guide | 1 | BH00911035 | |
| 3 | Counter Piston | 1 | BH00908935 | |
| 4 | Counter Piston Guide | 1 | BH00737305 | |
| 5 | Spring | 1 | BH00790052 | |
| 6 | Lock Nut | 1 | BH00903387 | |
| 7 | Acorn Nut | 1 | BH00903389 | |
| 8 | Screw, Max volume adjustment | 1 | BH00904681 | |
| 9 | O-Ring (90 Duro FPM PRP-015) | 2 | 68109-016 | ★ |

★ **Contained in FPM Seal Kit 5140-635-007**

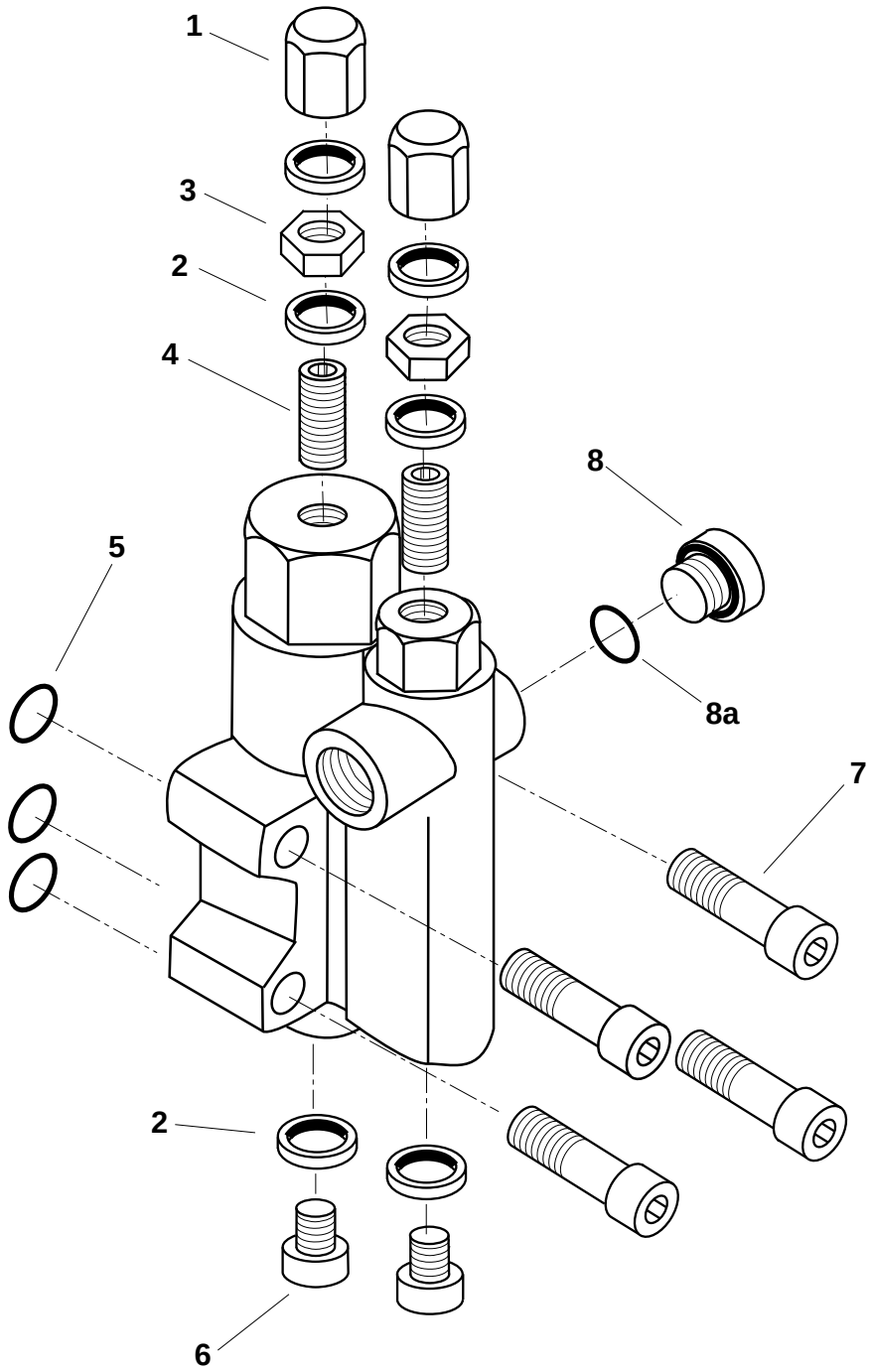


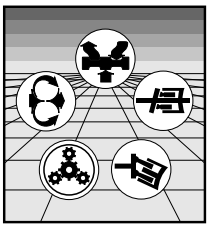
**MANNESMANN REXROTH**

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 5140-635-005**

★ **Contained in Seal Kit 5140-635-007**

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**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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