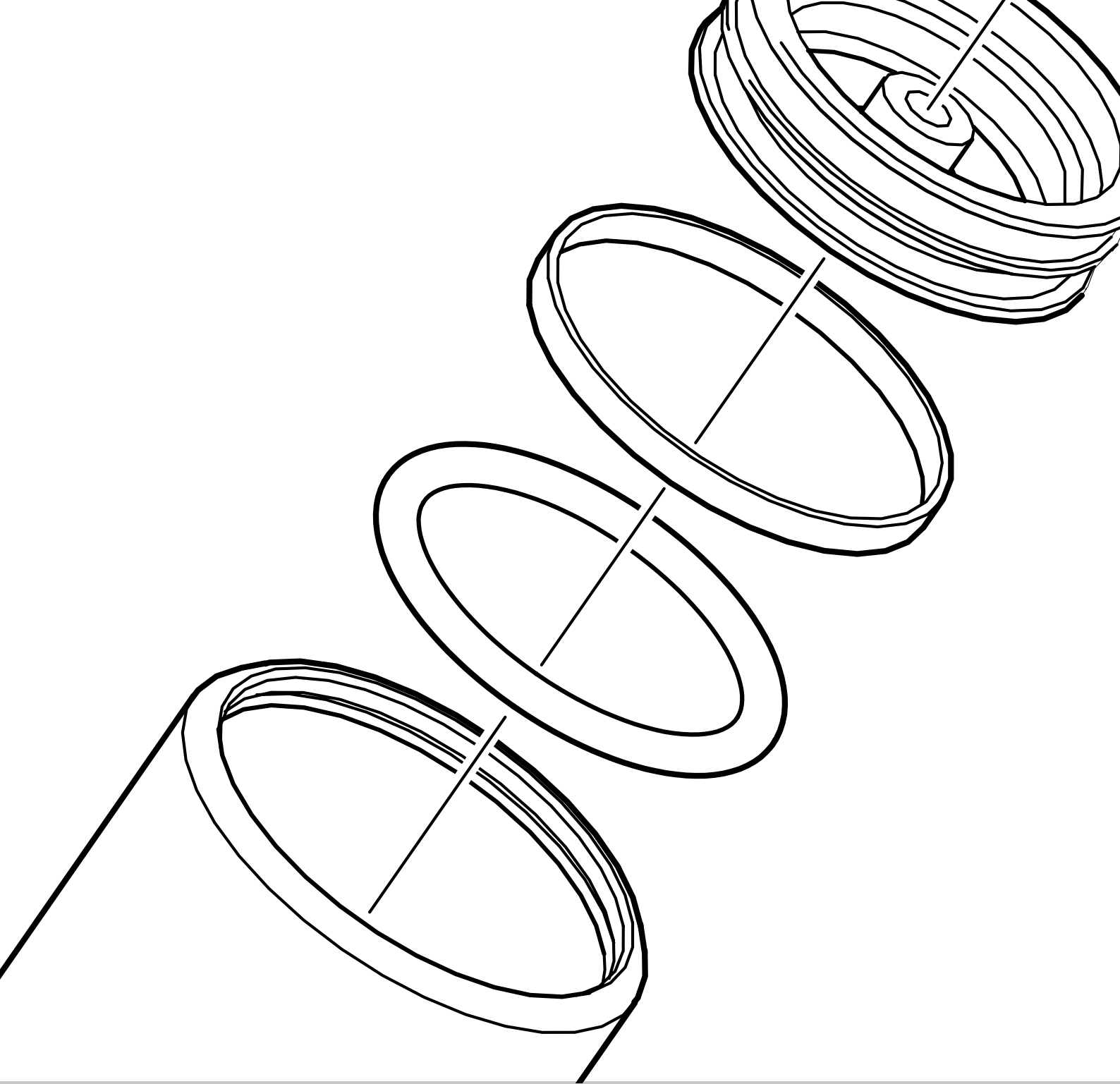




***Shock Absorber TTX39 for BMW R1200GS Rear***  
***BM 6760***

**Spare Parts List**



## Safety Precautions

### **Note!**

*The shock absorber is a very important part of the vehicle and will therefore affect the stability of the vehicle.*

 *Read and make sure that you understand the information in this manual and the mounting instructions before you use this product. If you have any questions regarding installation or maintenance please contact your nearest Öhlins dealer.*

 *Öhlins Racing AB can not be held responsible for any damage to the shock absorber, vehicle, other property or injury to persons, if the instructions for installing and maintenance are not followed exactly.*

### **Warning!**

*This product was developed and designed exclusively for a specific vehicle model and should only be installed on the intended vehicle model in its original condition as delivered from the vehicle manufacturer.*

 *This product contains pressurized nitrogen gas (N<sub>2</sub>). Do not open, service or modify this product without proper education (authorized Öhlins dealer/distributor) or proper tools.*

 *After installing this product, take a test ride at low speed to make sure that your vehicle has maintained its stability.*

### **Note!**

*When working on this product, always consult your Vehicle Service Manual.*

 *This Manual should be considered as a part of the product and should therefore accompany the product throughout its life cycle.*

## Safety Symbols

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols:



*The Safety Alert Symbol means: Warning! Your safety is involved.*

### **Warning!**

*The Warning Symbol means: Failure to follow warning instructions can result in severe or fatal injury to anyone working with, inspecting or using the shock absorber, or to bystanders.*



### **Caution!**

*The Caution Symbol means: Special precautions must be taken to avoid damage to the shock absorber.*

### **Note!**

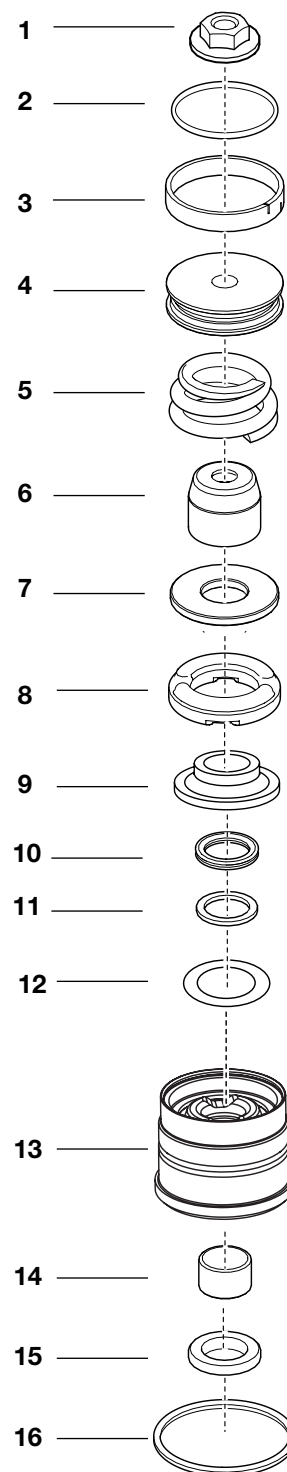
*The Note Symbol indicates information that is important regarding procedures.*

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited.  
Printed in Sweden.

Fig.1

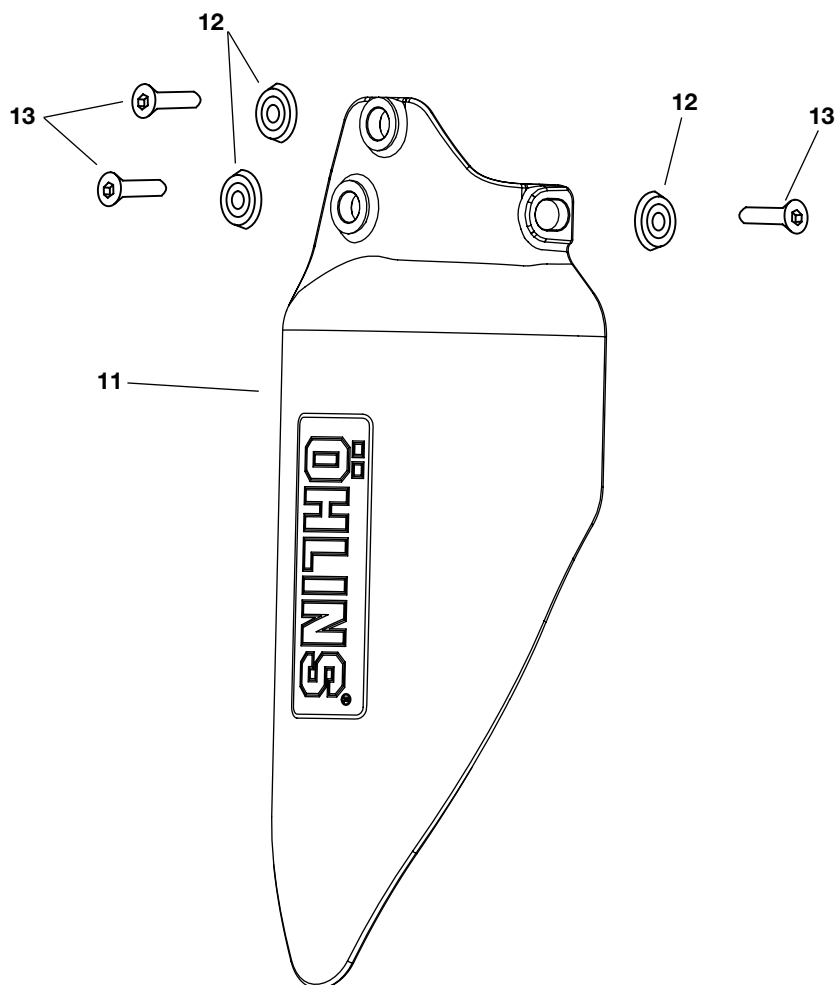
| Pos  | Part No.        | Pcs      | Description           | Type/Remarks |
|------|-----------------|----------|-----------------------|--------------|
| 1-1  | 21855-01        | 1        | Flange nut            |              |
| 1-2  | 00638-73        | 1        | O-ring                |              |
| 1-3  | 21018-02        | 1        | Piston band           |              |
| 1-4  | 21847-01        | 1        | Piston                |              |
| 1-5  | 21031-06        | 1        | Top out spring        |              |
| 1-6  | 21848-01        | 1        | Top out spring guide  |              |
| 1-7  | 21841-04        | 1        | Spacer                |              |
| 1-7  | 21841-08        | 1        | Spacer                |              |
|      | <b>21858-01</b> | <b>1</b> | <b>Seal head assy</b> |              |
| 1-8  | 05115-01        | 1        | Stop rubber           |              |
| 1-9  | 21856-01        | 1        | Stop spacer           |              |
| 1-10 | 04717-02        | 1        | Seal                  |              |
| 1-11 | 01032-09        | 1        | Back up ring          |              |
| 1-12 | 04729-02        | 1        | Shim                  |              |
| 1-13 | 21859-01        | 1        | Seal head             |              |
| 1-14 | 01056-15        | 1        | Bushing               |              |
| 1-15 | 03070-01        | 1        | Scraper               |              |
| 1-16 | 00338-24        | 1        | O-ring                |              |

Shaft assy

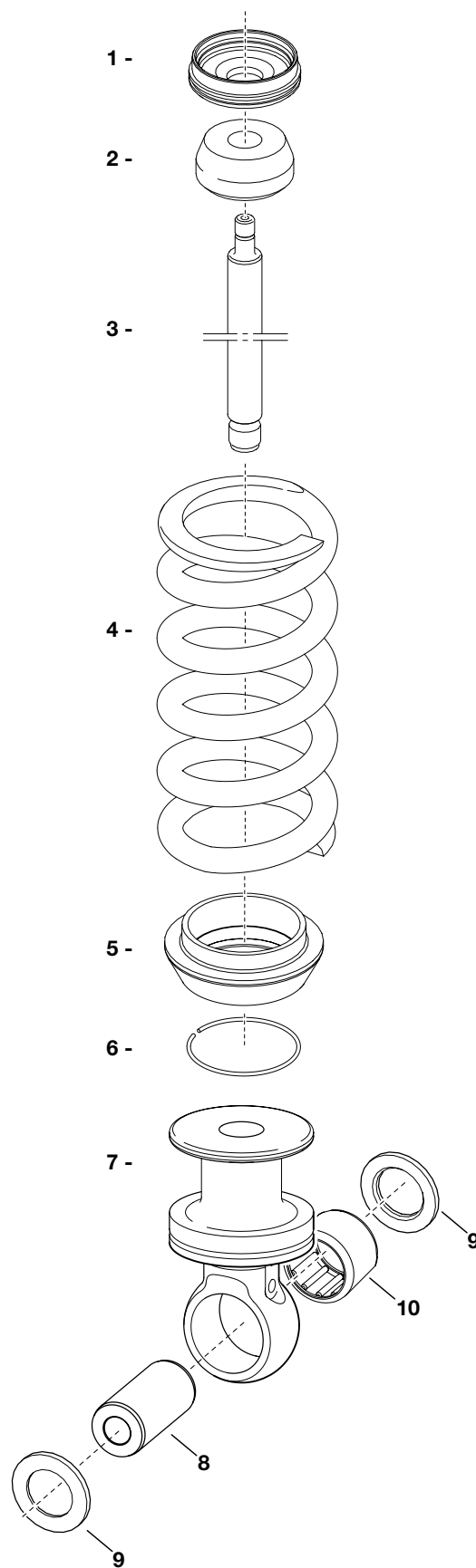


**Fig.2**

| Pos  | Part No. | Pcs | Description  | Type/Remarks    |
|------|----------|-----|--------------|-----------------|
| 2-1  | 21843-01 | 1   | End cap      |                 |
| 2-2  | 06375-03 | 1   | Bump rubber  |                 |
| 2-3  | 21846-01 | 1   | Shaft        |                 |
| 2-4  | 01103-49 | 1   | Spring       | <i>Standard</i> |
| 2-5  | 21854-01 | 1   | Spring clip  |                 |
| 2-6  | 00329-22 | 1   | Circlip      |                 |
| 2-7  | 21849-01 | 1   | End eye      |                 |
| 2-8  | 03098-03 | 1   | Shaft        |                 |
| 2-9  | 21853-01 | 2   | Seal bearing |                 |
| 2-10 | 21852-01 | 1   | Bearing      |                 |
| 2-11 | 21840-01 | 1   | Protector    |                 |
| 2-12 | 21857-01 | 3   | Washer       |                 |
| 2-13 | 00382-07 | 3   | Screw        |                 |

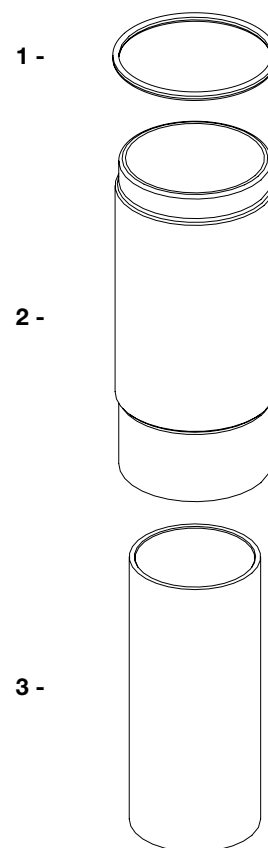


## Shaft/End eye

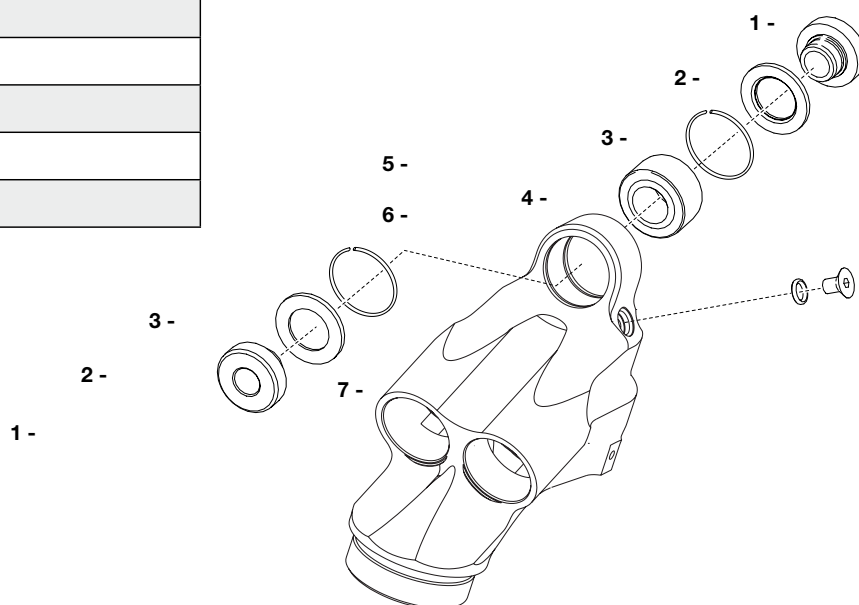


**Fig.3**

| Pos | Part No. | Pcs | Description | Type/Remarks |
|-----|----------|-----|-------------|--------------|
| 3-1 | 00338-37 | 1   | O-ring      |              |
| 3-2 | 21845-01 | 1   | Outer tube  |              |
| 3-3 | 21842-01 | 1   | Inner tube  |              |

**Cylinder tubes****Fig.4**

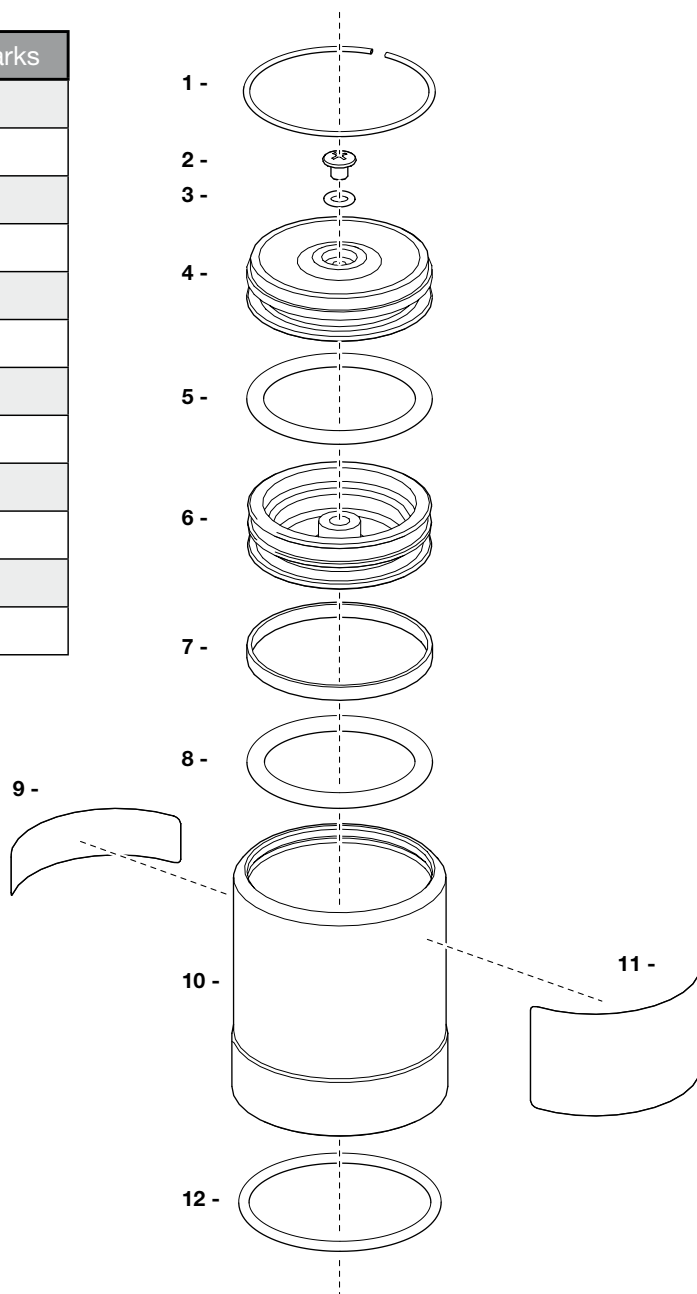
| Pos | Part No. | Pcs | Description        | Type/Remarks |
|-----|----------|-----|--------------------|--------------|
| 4-1 | 01218-39 | 2   | Spacer, ball joint |              |
| 4-2 | 00534-01 | 2   | Seal ball joint    |              |
| 4-3 | 00557-01 | 2   | Circlip            |              |
| 4-4 | 00536-13 | 1   | Ball joint         |              |
| 4-5 | 00382-07 | 1   | Screw              |              |
| 4-6 | 00438-33 | 1   | O-ring             |              |
| 4-7 | 21901-01 | 1   | Cylinder head      |              |

**Cylinder head**

**Fig.5**

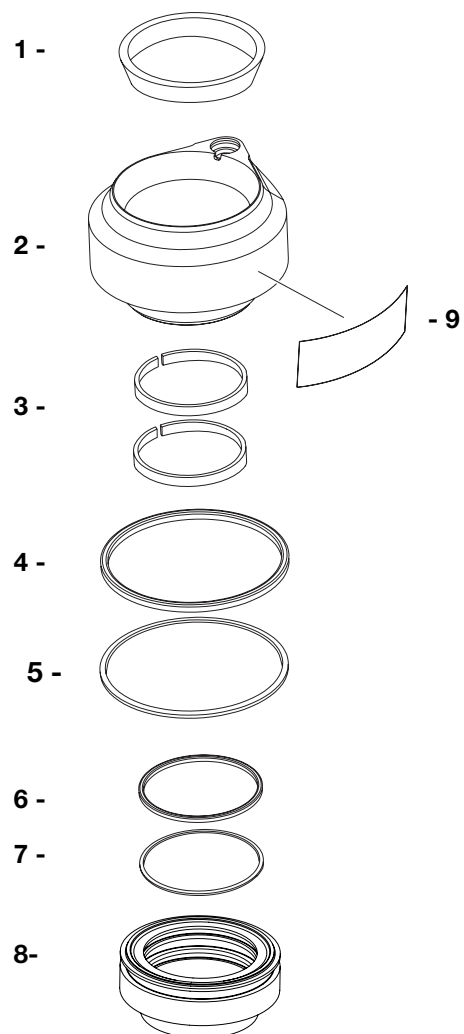
| Pos  | Part No. | Pcs | Description        | Type/Remarks |
|------|----------|-----|--------------------|--------------|
| 5-1  | 00329-01 | 1   | Circlip            |              |
| 5-2  | 01050-01 | 1   | Screw              |              |
| 5-3  | 00338-59 | 1   | O-ring             |              |
| 5-4  | 00161-03 | 1   | Reservoir top assy |              |
| 5-5  | 00338-04 | 1   | O-ring             |              |
| 5-6  | 00305-01 | 1   | Piston             |              |
| 5-7  | 00340-01 | 1   | Teflon band        |              |
| 5-8  | 00338-26 | 1   | O-ring             |              |
| 5-9  | 00196-01 | 1   | Sticker "Warning"  |              |
| 5-10 | 00302-05 | 1   | Reservoir          |              |
| 5-11 | 00191-02 | 1   | Sticker "Öhlins"   |              |
| 5-12 | 00338-24 | 1   | O-ring             |              |

## Reservoir assy



**Fig.6**

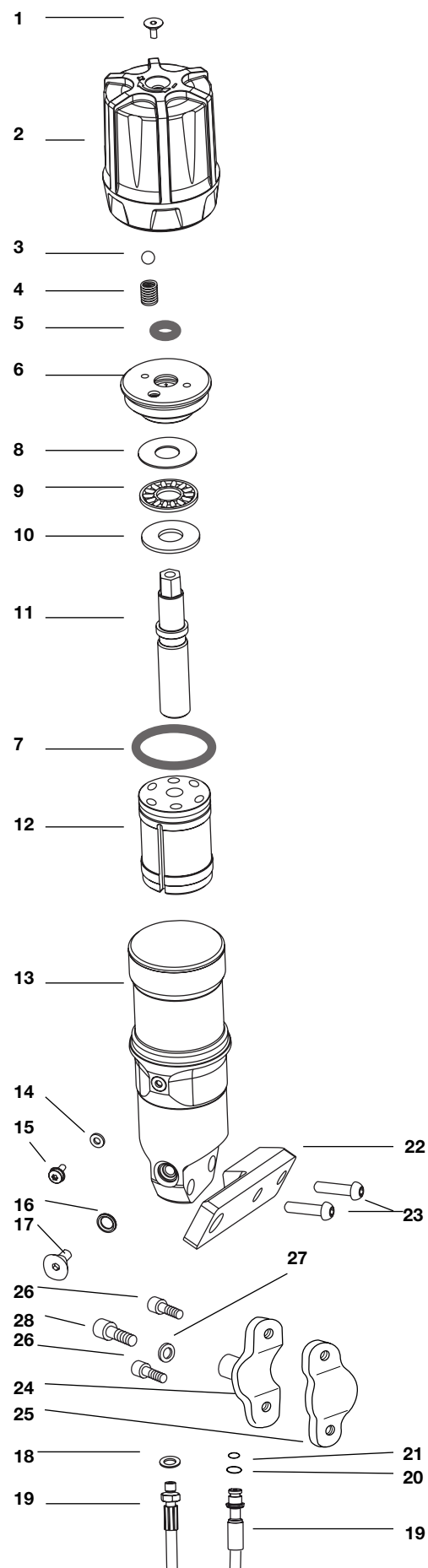
| Pos | Part No. | Pcs | Description  | Type/Remarks |
|-----|----------|-----|--------------|--------------|
| 6-1 | 21505-02 | 1   | Conical nut  |              |
| 6-2 | 21861-01 | 1   | Housing      |              |
| 6-3 | 21863-01 | 2   | Piston band  |              |
| 6-4 | 01027-21 | 1   | X-ring       |              |
| 6-5 | 01032-28 | 1   | Support ring |              |
| 6-6 | 01027-19 | 1   | X-ring       |              |
| 6-7 | 01032-27 | 1   | Support ring |              |
| 6-8 | 21862-01 | 1   | Piston       |              |
| 6-9 | 00191-06 | 1   | Sticker      |              |

**Preload housing assy**

**Fig.7**

| Pos  | Part No. | Pcs | Description           | Remarks |
|------|----------|-----|-----------------------|---------|
| 7-1  | 00382-08 | 1   | Screw                 |         |
| 7-2  | 03605-02 | 1   | Knob                  |         |
| 7-3  | 00884-01 | 1   | Ball                  |         |
| 7-4  | 00833-01 | 1   | Spring                |         |
| 7-5  | 00338-88 | 1   | O-ring                |         |
| 7-6  | 03603-03 | 1   | Cover                 |         |
| 7-7  | 00576-12 | 1   | O-ring                |         |
| 7-8  | 03072-02 | 1   | Thrust washer AS      |         |
| 7-9  | 01023-02 | 1   | Thrust needle bearing |         |
| 7-10 | 03073-02 | 1   | Thrust washer LS      |         |
| 7-11 | 03602-03 | 1   | Adj. screw            |         |
| 7-12 | 03604-05 | 1   | Piston                |         |
| 7-13 | 03600-04 | 1   | Housing               |         |
| 7-14 | 03614-01 | 1   | Seal washer           |         |
| 7-15 | 03601-02 | 1   | Guide screw           |         |
| 7-16 | 00338-79 | 1   | O-ring                |         |
| 7-17 | 00382-07 | 1   | Fill screw            |         |
| 7-18 | 01048-01 | 1   | Seal washer           |         |
| 7-19 | 21508-09 | 1   | Hose                  |         |
| 7-20 | 01473-04 | 1   | Circlip               |         |
| 7-21 | 00577-01 | 1   | O-ring                |         |
| 7-22 | 21701-01 | 1   | Bracket hydr. prel.   |         |
| 7-23 | 05404-06 | 2   | Screw M6x25           |         |
| 7-24 | 02267-06 | 1   | Bracket               |         |
| 7-25 | 02267-05 | 1   | Bracket               |         |
| 7-26 | 01046-01 | 2   | Screw M6x16           |         |
| 7-27 | 00153-01 | 1   | Washer                |         |
| 7-28 | 01046-22 | 1   | Screw M8x16           |         |

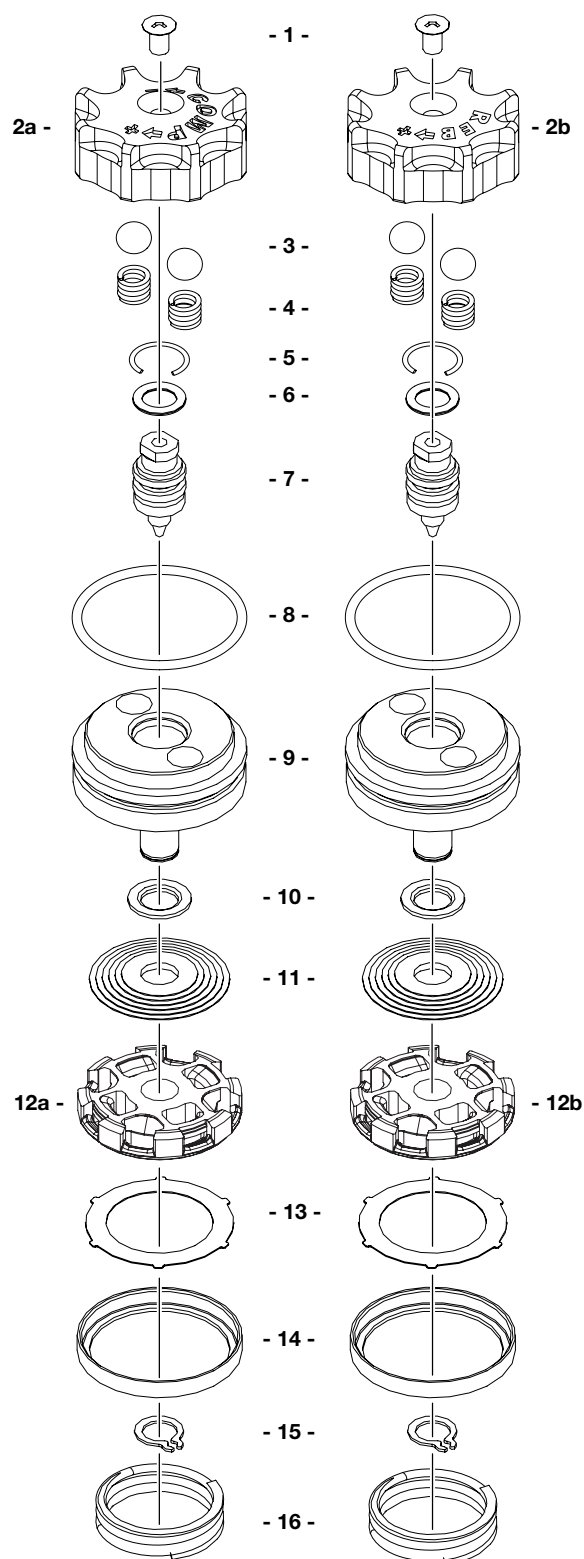
## Adjustment cylinder assy



**Fig.8**

## Comp. /rebound assy

| Pos   | Part No. | Pcs | Description         | Type/Remarks  |
|-------|----------|-----|---------------------|---------------|
| 8-1   | 00828-01 | 2   | Screw               |               |
| 8-2a  | 21050-20 | 1   | Knob adj. comp.     |               |
| 8-2b  | 21050-21 | 1   | Knob adj. reb.      |               |
| 8-3   | 00884-07 | 4   | Ball                |               |
| 8-4   | 00833-01 | 4   | Spring              |               |
| 8-5   | 01473-06 | 2   | Circlip             |               |
| 8-6   | 00338-79 | 2   | O-ring              |               |
| 8-7   | 01242-06 | 2   | Adjustment needle   |               |
| 8-8   | 00438-02 | 2   | O-ring              |               |
| 8-9   | 21043-02 | 2   | End piece           |               |
| 8-10  | -        | 2   | Washer              | See spec.card |
| 8-11  | -        | 2   | Shims               | See spec.card |
| 8-12a | 21044-30 | 1   | Valve               | Compression   |
| 8-12b | 21044-05 | 1   | Valve               | Rebound       |
| 8-13  | 21045-02 | 2   | Check valve         |               |
| 8-14  | 21047-01 | 2   | Check valve housing |               |
| 8-15  | 05009-06 | 2   | Circlip             |               |
| 8-16  | 21046-30 | 2   | Check valve spring  |               |



Your Öhlins retailer:



Öhlins Racing AB  
Box 722  
SE-194 27, Upplands Väsby  
Sweden

Phone: +46 (0)8 590 025 00  
Fax: +46 (0)8 590 025 80  
[www.ohlins.com](http://www.ohlins.com)



[www.ohlins.com](http://www.ohlins.com)