

BMW S1000RR, BMW HP4

FKR 1040

Spare Parts List



SAFETY PRECAUTIONS

⚠ Warning!

The shock absorber/front fork/steering damper is an important part of the vehicle and will affect the stability.

⚠ Warning!

After installing the Öhlins product, take a test ride at low speed to make sure your vehicle has maintained stability.

⚠ Warning!

Some of Öhlins products contain pressurized nitrogen gas (N₂). Do not open, service or modify pressurized products without proper education (approved Öhlins dealer/distributor) and proper tools.

👁 Note!

Read and ensure you understand the information in this manual and other technical documents provided by Öhlins, before you use the product.

👁 Note!

Öhlins Racing AB can not be held responsible for any damage to the shock absorber/front fork/steering damper, vehicle, other property or injury to persons, if the instructions for mounting, usage and maintenance are not obeyed.

⚠ Warning!

If the suspension makes an abnormal noise, or the function is irregular, or if you notice any leakage from the product, stop the vehicle immediately and return the product to an Öhlins Service Centre.

⚠ Warning!

The product warranty shall only apply if the product has been operated and maintained in accordance with recommendations in this manual. If you have any questions regarding usage, service, inspection and/or maintenance contact Öhlins.

👁 Note!

When working with the Öhlins product, read the Vehicle Service Manual.

⚠ Warning!

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

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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.

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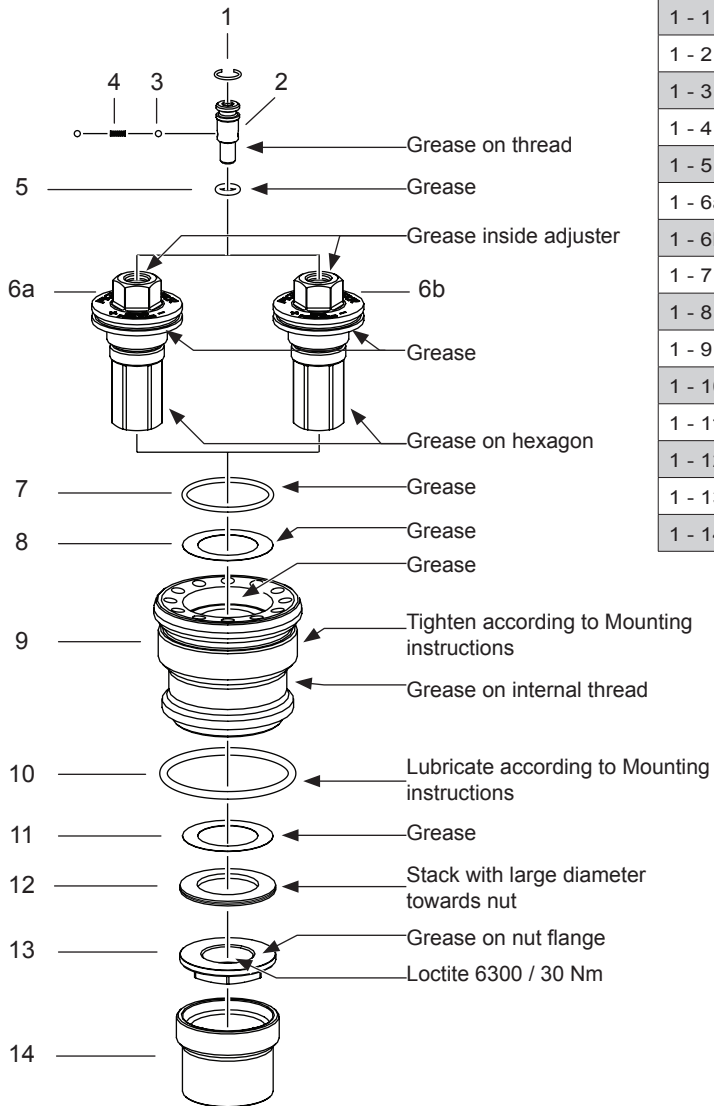
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Special tools

Part number	Description
01797-07	Seal head tool
00727-09	Clamp Ø28
00727-06/12	Clamp Ø34
02810-01	Clip
00146-01	Grease (100 g)
01791-25	Loctite 2400 (50 ml)
01791-23	Loctite 6300 (50 ml)

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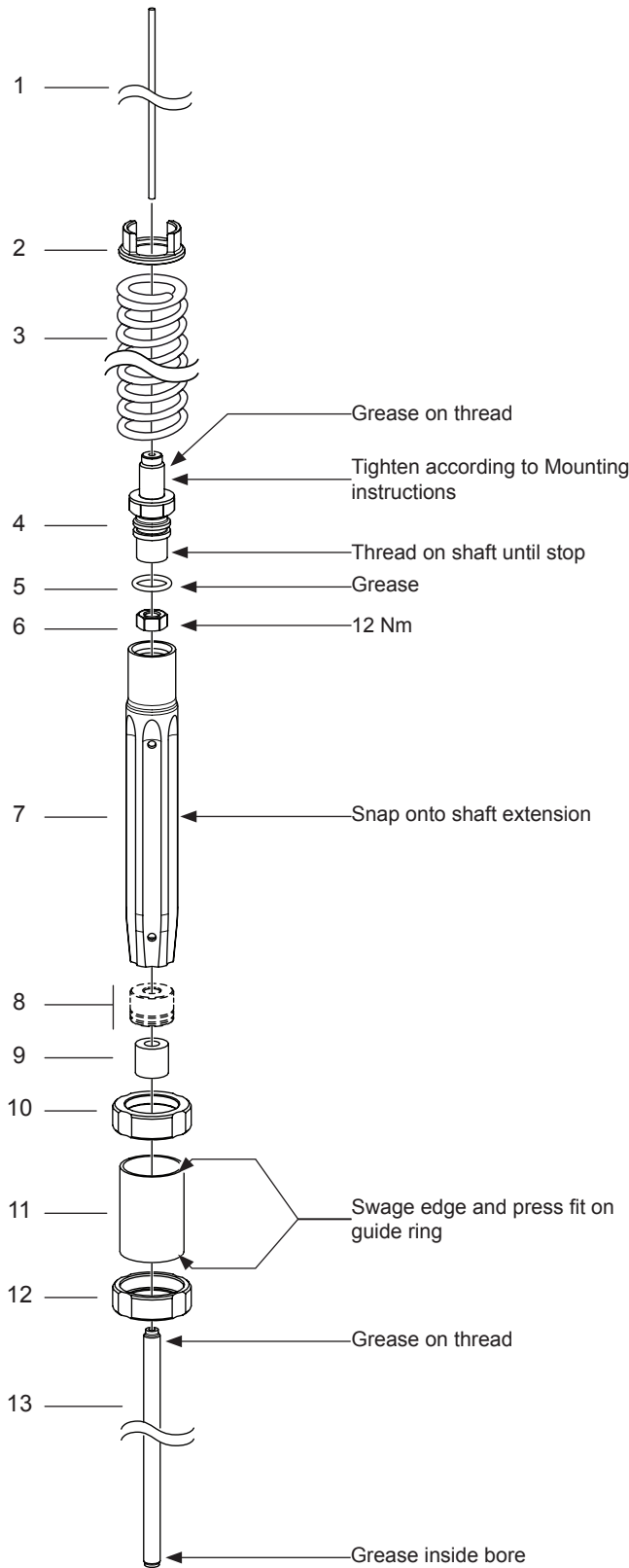
Figure 1 - Top cap



Pos	Part No	Pcs	Description	Notes
1 - 1	01473-01	2	Circlip	
1 - 2	21819-01	2	Adjustment screw	
1 - 3	00884-04	4	Ball	
1 - 4	01474-01	2	Spring	
1 - 5	00577-01	2	O-ring	
1 - 6a	21928-01	1	Adjuster	Compression
1 - 6b	21928-02	1	Adjuster	Rebound
1 - 7	00338-72	2	O-ring	
1 - 8	03309-01	2	Shim	
1 - 9	21932-02	2	Adjustment housing	
1 - 10	00438-26	2	O-ring	
1 - 11	03309-01	2	Shim	
1 - 12	03317-01	8	Spring washer	
1 - 13	03313-01	2	Nut	
1 - 14	03315-01	2	Preload socket	

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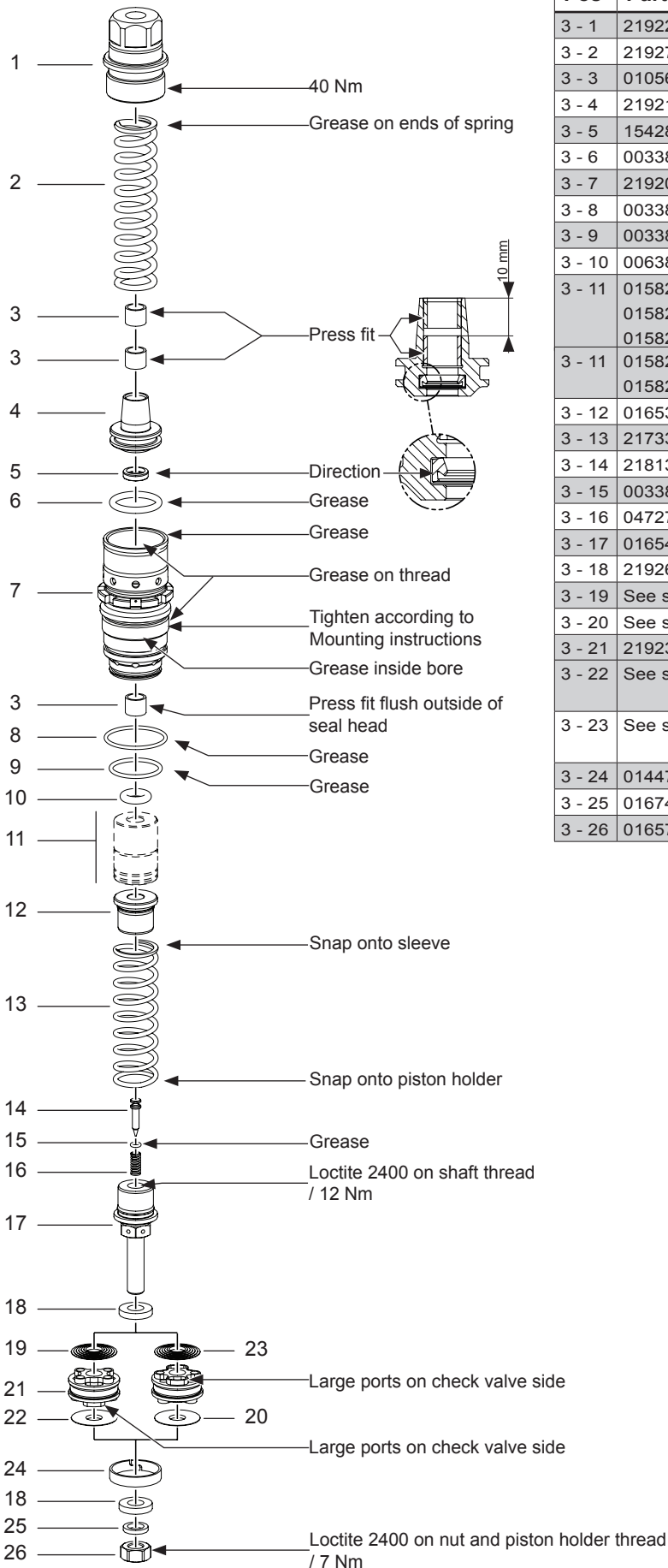
Figure 2 - Shaft assembly



Pos	Part No	Pcs	Description	Notes
2 - 1	15412-23	2	Adjustment rod	
2 - 2	03316-02	2	Spring support	
2 - 3	04744-95	2	Main spring	9.5 N/mm
2 - 3	04744-10	2	Main spring	10 N/mm
2 - 3	04744-05	2	Main spring	10.5 N/mm
2 - 4	01901-09	2	Shaft extension	
2 - 5	00338-76	2	O-ring	
2 - 6	00437-09	2	Nut	
2 - 7	21925-01	2	Guide sleeve	
2 - 8	01582-22	4	Spacer 3	
2 - 8	01582-24	2	Spacer 15	
2 - 9	01580-04	2	Bump rubber	
2 - 10	21669-01	2	Guide ring	
2 - 11	01460-82	2	Preload tube Length 30mm	Standard stroke 120mm
2 - 11	01460-85	2	Preload tube Length 36mm	Optional stroke 125mm
2 - 12	01438-02	2	Guide ring	
2 - 13	21812-15	2	Shaft	

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Figure 3 - Seal head and piston assembly

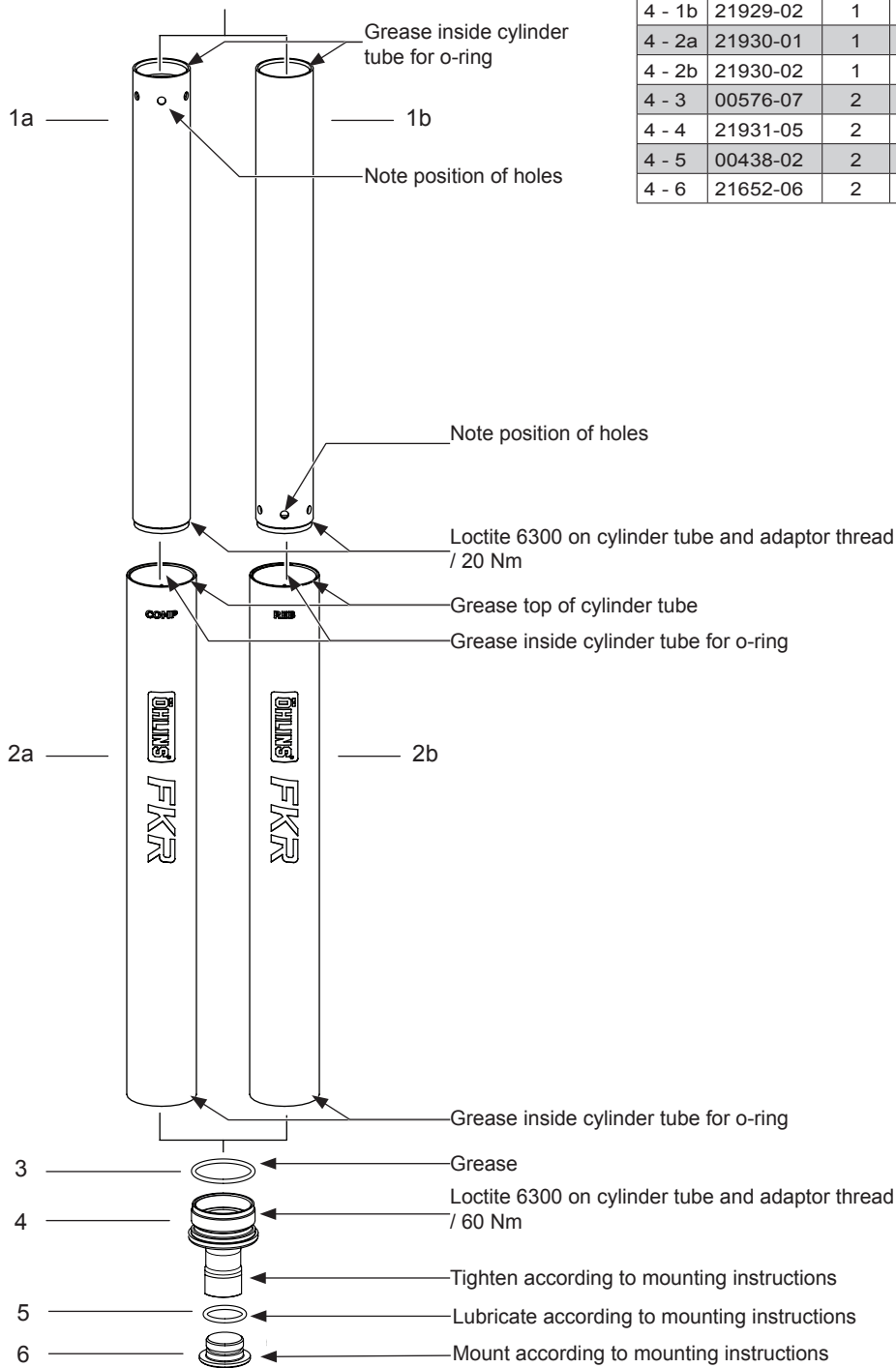


Pos	Part No	Pcs	Description	Notes
3 - 1	21922-01	2	Cap seal head	
3 - 2	21927-01	2	Spring	
3 - 3	01056-09	6	Bushing	
3 - 4	21921-01	2	Piston dividing	
3 - 5	15428-01	2	Seal	
3 - 6	00338-25	2	O-ring	
3 - 7	21920-01	2	Seal head	
3 - 8	00338-72	2	O-ring	
3 - 9	00338-27	2	O-ring	
3 - 10	00638-81	2	O-ring	
3 - 11	01582-21	2	Spacer, 2mm	Standard stroke 120mm
	01582-22	4	Spacer, 3mm	Spacer total 23mm
	01582-24	2	Spacer, 15mm	
3 - 11	01582-22	2	Spacer 3mm	Optional stroke 125mm
	01582-24	2	Spacer 15mm	Spacer total 18mm
3 - 12	01653-09	2	Sleeve	
3 - 13	21733-01	2	Spring	
3 - 14	21813-15	2	Needle	
3 - 15	00338-56	2	O-ring	
3 - 16	04727-09	2	Spring	
3 - 17	01654-15	2	Piston holder	
3 - 18	21926-01	4	Washer	
3 - 19	See spec. card	1	Shim stack	Compression
3 - 20	See spec. card	1	Shim stack	Rebound
3 - 21	21923-01	2	Piston	
3 - 22	See spec. card	1	Check valve shim stack	Compression
3 - 23	See spec. card	1	Check valve shim stack	Rebound
3 - 24	01447-02	2	Piston ring	
3 - 25	01674-01	2	Washer	
3 - 26	01657-01	2	Nut	

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Figure 4 - Cylinder tube assembly

Pos	Part No	Pcs	Description	Notes
4 - 1a	21929-01	1	Cylinder tube	Compression
4 - 1b	21929-02	1	Cylinder tube	Rebound
4 - 2a	21930-01	1	Cylinder tube	Compression
4 - 2b	21930-02	1	Cylinder tube	Rebound
4 - 3	00576-07	2	O-ring	
4 - 4	21931-05	2	Adaptor	
4 - 5	00438-02	2	O-ring	
4 - 6	21652-06	2	Plug	



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



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