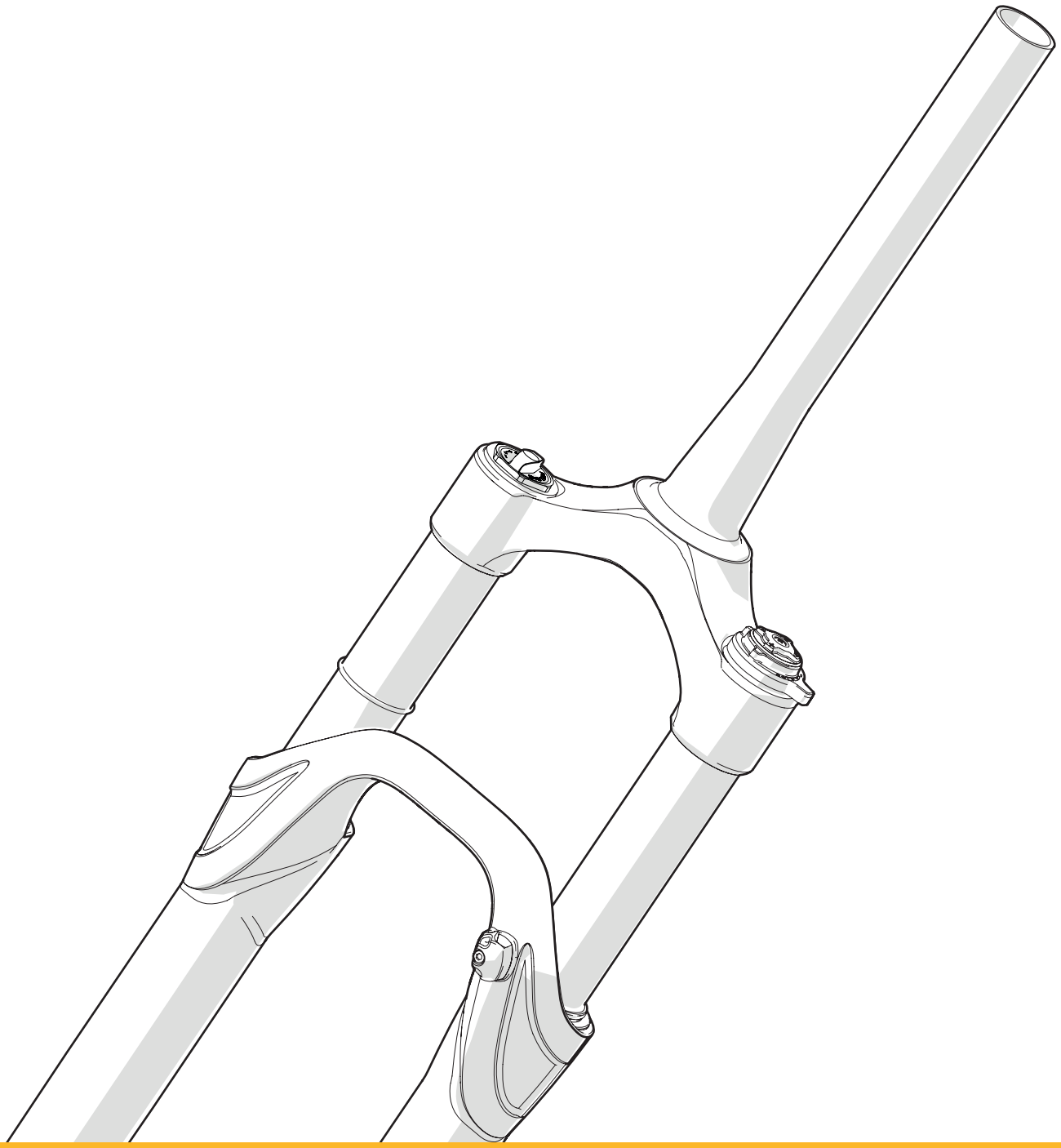


Front Fork

RXF36 Coil

Workshop Manual - 100 h Service

ÖHLINS

SAFETY PRECAUTIONS

General Warnings

👁 Note!

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

👁 Note!

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

👁 Note!

Öhlins Group 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 followed exactly.

⚠ Warning!

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

⚠ 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 please contact Öhlins.

👁 Note!

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

Product Specific Warnings

⚠ 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.

⚠ Warning!

This product contains pressurized nitrogen gas (N_2). Do not open, service or modify this product without proper education (authorized Öhlins dealer/distributor) and proper tools.

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!

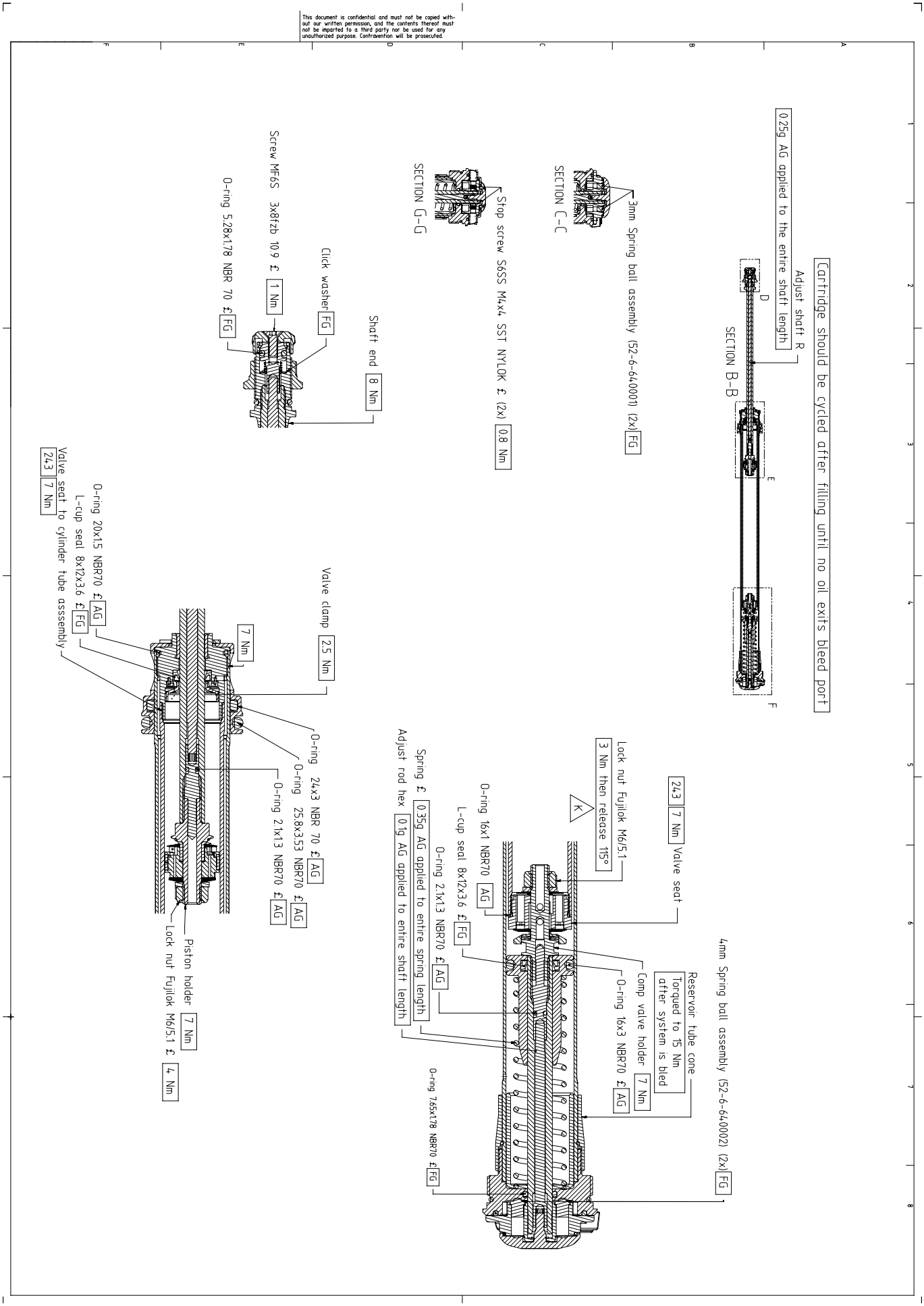
The Note Symbol indicates information that is important regarding procedures.

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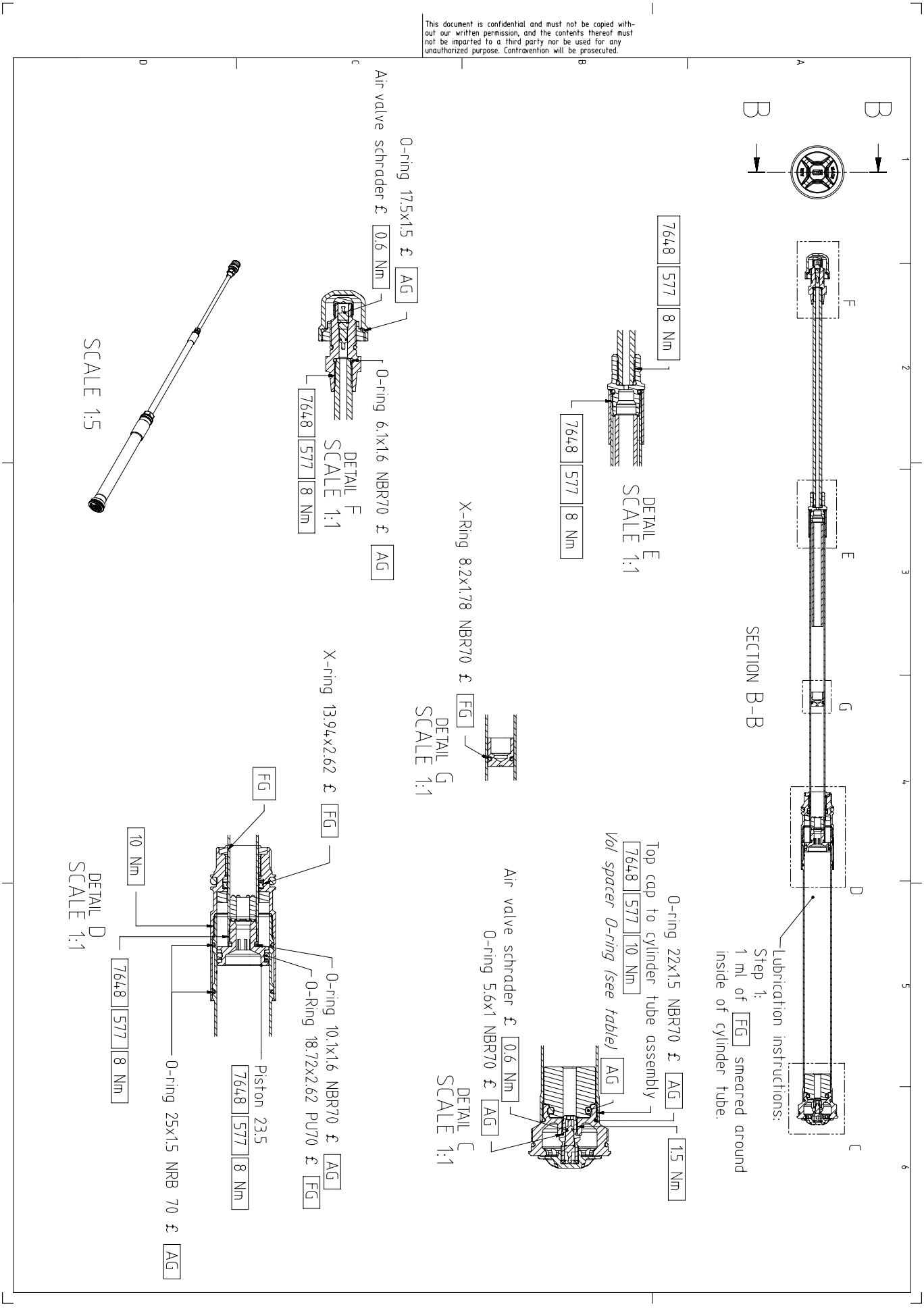
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Overview - General layout 5
Service Kit Contents 6
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Appendix A 16

SUSPENSION OVERVIEW



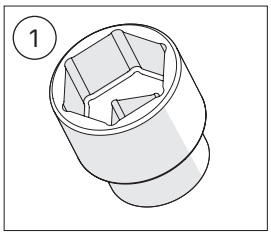
SUSPENSION OVERVIEW

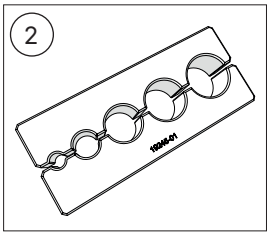


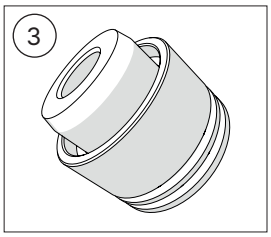
RXF36 COIL 100-HOUR SERVICE

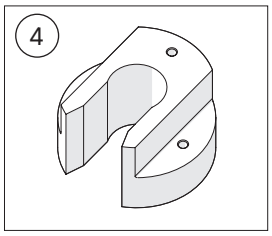
Tools

1	18860-01	Hex socket 28 mm
2	19245-01	Multi clamp
3	19246-02	Seal installation tool
4	18867-01	Coil kit tool







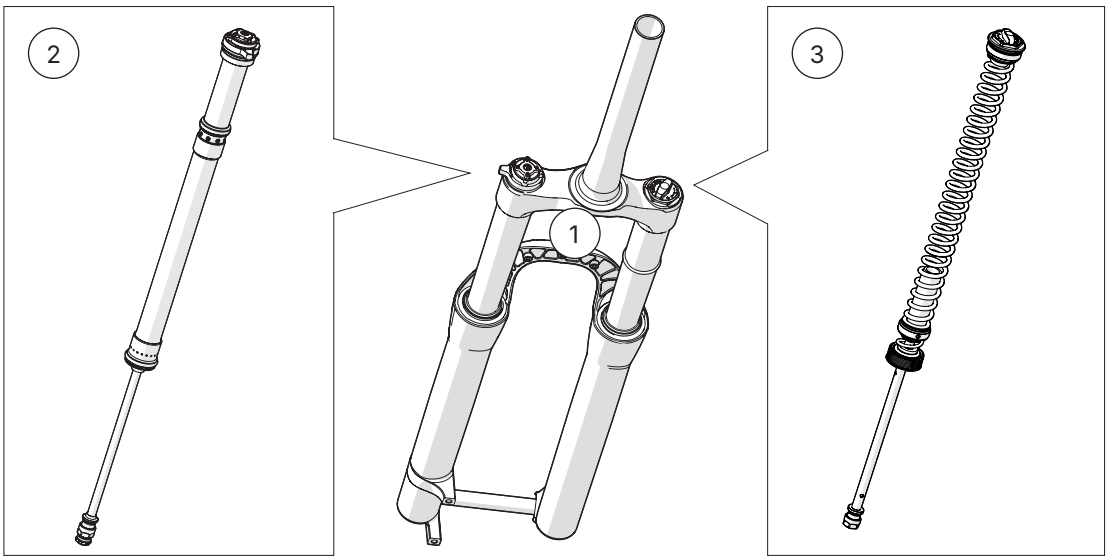


Oil, grease, thread locker and sealant

Damper fluid	01309-01 - High performance suspension fluid 1L
Function grease	01338-22 - Renolit SI 410 M Silicone grease 225g
Assembly grease	Slickoleum / Buzzy's Slick Honey
Loctite 243	01791-04

Overview - General layout

1. **Chassis**
2. **Damper Cartridge**
3. **Spring Cartridge**



RXF36 COIL 100-HOUR SERVICE

Service Kit Contents

Pos	Kit No	Description	Notes
1	18880-07	Service Kit chassis SKF RXF36	
2	18885-01	Service Kit RXF36 Coil Kit	

1

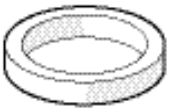


18710-01
(O-ring 35×2 blue)



x 2

18711-02
(Wiper seal)



x 2

18709-01
(Foam ring)

Service Kits

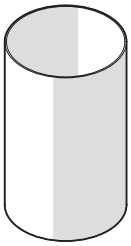
2



00338-57
(O-ring)



00576-06
(O-ring)



(Protective tube)

x 18 (see content chart below for color spec)

Part No	Part Name	PCS
18669-01	Protective tube Red	3
18669-02	Protective tube Yellow	3
18669-03	Protective tube Green	3
18669-04	Protective tube Blue	3
18669-05	Protective tube White	3
18669-06	Protective tube Black	3

RXF36 COIL 100-HOUR SERVICE

Chassis 100-Hour Service

We recommend using a bike stand to clamp the steering tube when working on the fork.

Note!

Record the rebound and preload adjuster settings before service.

1. Thoroughly clean the outside of the fork from dirt or grit.

2. Turn the preload adjuster knob anticlockwise towards minus until it stops (minimum preload position).

3. Use a 14 mm wrench to hold the rebound adjuster knob steady. With a 2 mm hex key remove the screw and the knob.

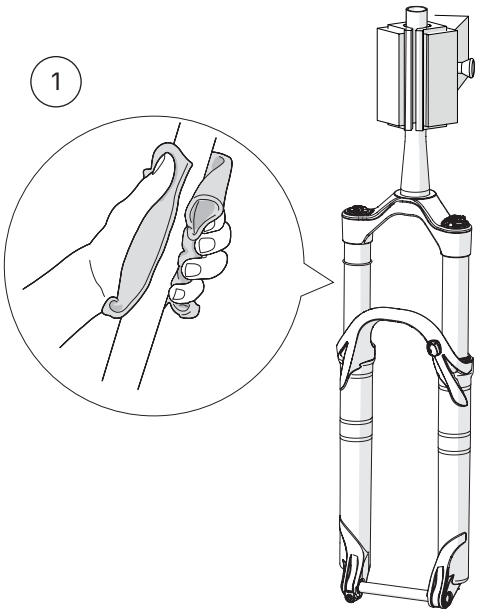
4. Remove the nut by using a socket wrench with a 14 mm deep hex socket.

5. Use a 6 mm hex wrench to hold the spring leg steady and loosen the nut with a 14 mm wrench. Use a socket wrench with a 14 mm deep hex socket to remove the nut.

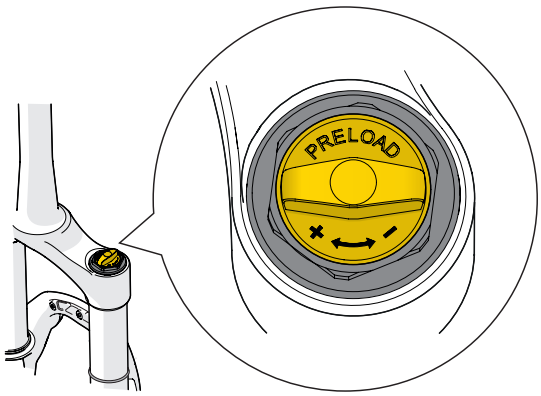
6. Slide the lower legs off the stanchions.

7. Drain the lower legs of all fluids.

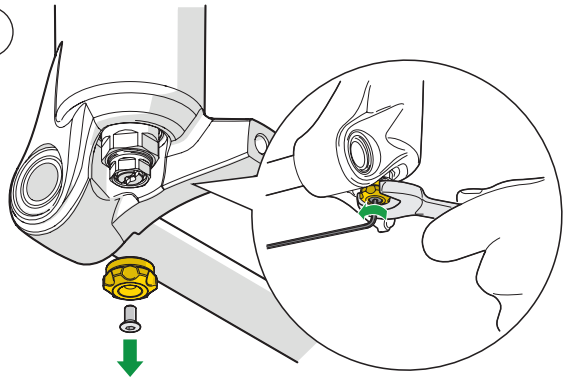
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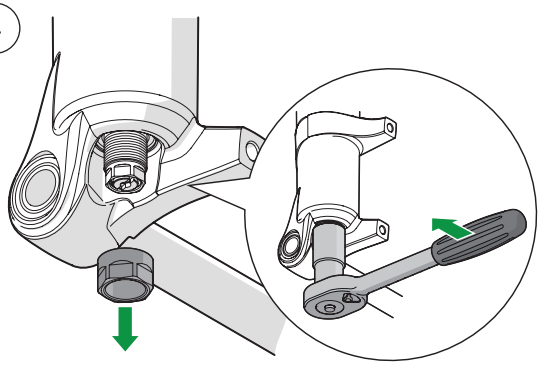
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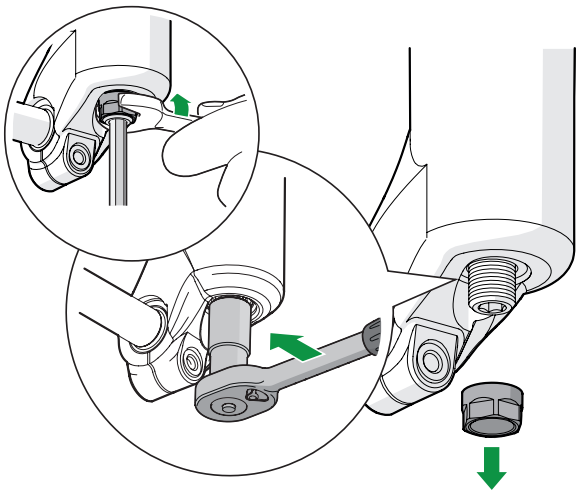
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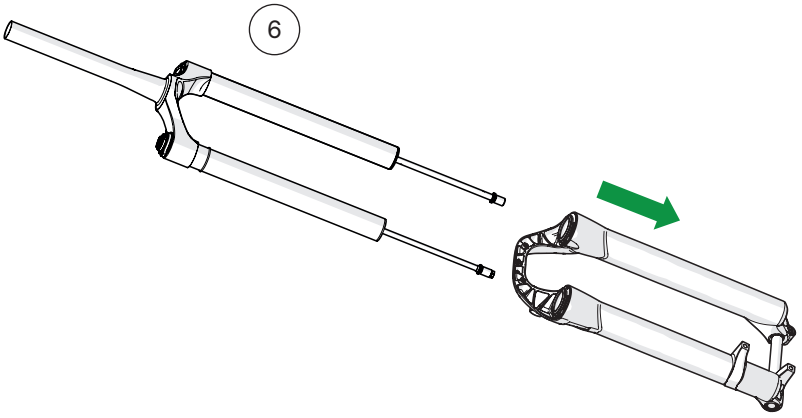
4



5



6



RXF36 COIL 100-HOUR SERVICE

8. Use tweezers to cautiously remove the old foam rings in the lower legs.

9. Use a screwdriver or similar to remove the old wiper seals. Protect lowers and seal surfaces from scratches.

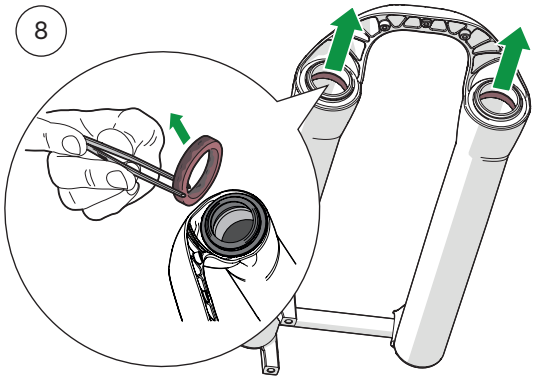
10. Use a rag wrapped around a long rod or similar to clean the insides of the lower legs.

Note!

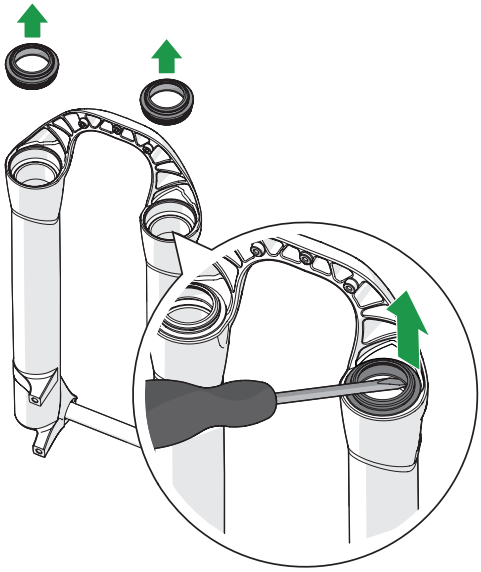
Be careful not to scratch the bushings.

11. Carefully clean the wiper seal and foam ring areas using disc brake cleaner and a paper cloth or rag to remove old suspension fluid and dirt.

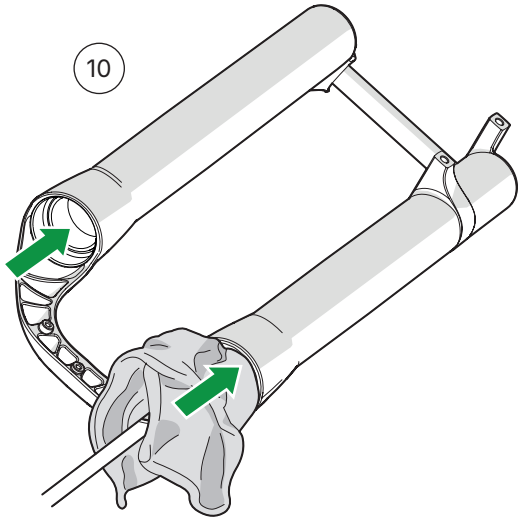
8



9



10



11



RXF36 COIL 100-HOUR SERVICE

12. Reinsert new wiper seals (18711-01/18711-02) into the lower legs. Use the wiper seal tool and a soft hammer to put them in place.

13. Apply a thin layer of functional grease to the inner surfaces of the wiper seals.

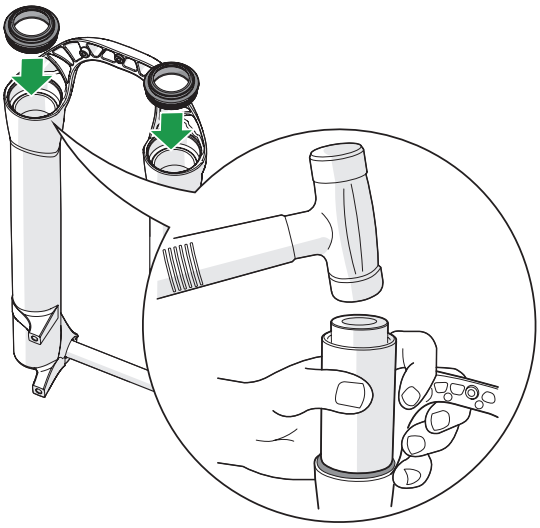
14. Soak the foam rings in fresh damper fluid.

15. Use tweezers or similar to carefully reinsert the soaked foam rings into the lower legs. Check that they are mounted correctly and not twisted.

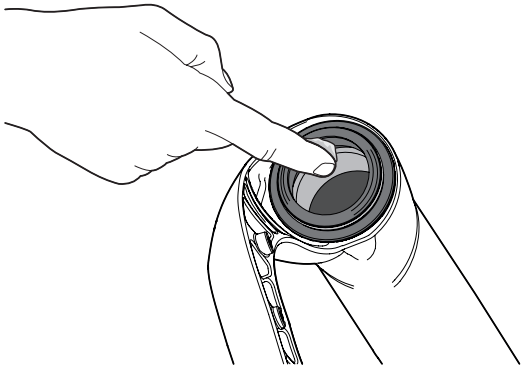
16. Remove the old sag o-ring.

177. Install a new sag o-ring (18710-01) from the service kit.

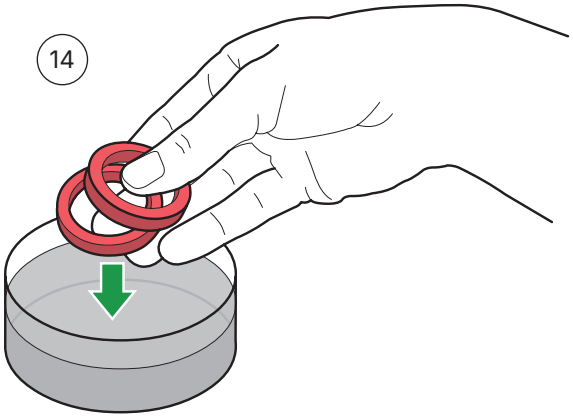
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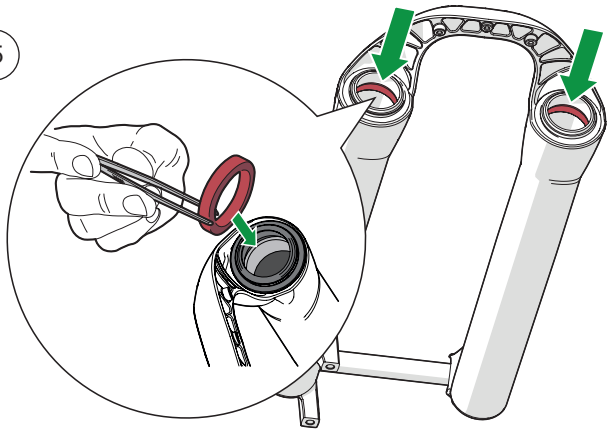
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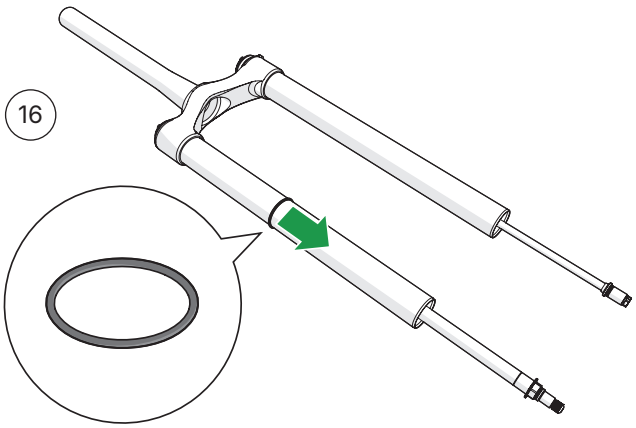
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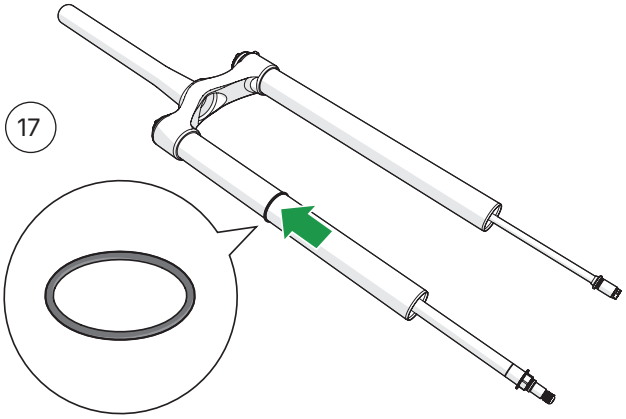
15



16



17



RXF36 COIL 100-HOUR SERVICE

Coil Spring Cartridge 100-Hour Service

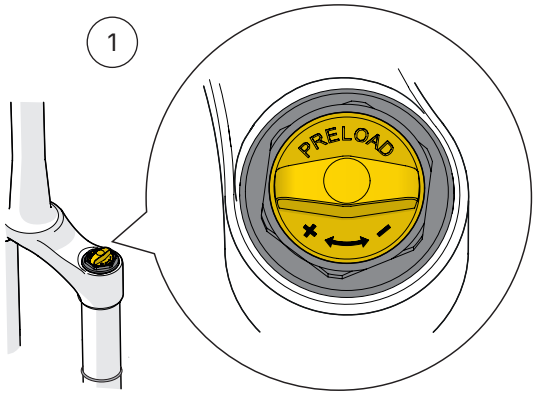
Note!

Clean all parts using disc brake cleaner and a rag to remove dirt, old grease and thread sealant before reassembling. Lubricate new o-rings/ x-rings etc. with fresh Assembly grease.

Note!

Use a vise and the appropriate shaft clamps when servicing the front fork.

1. Turn the preload adjuster knob anticlockwise towards minus until it stops (minimum preload position).

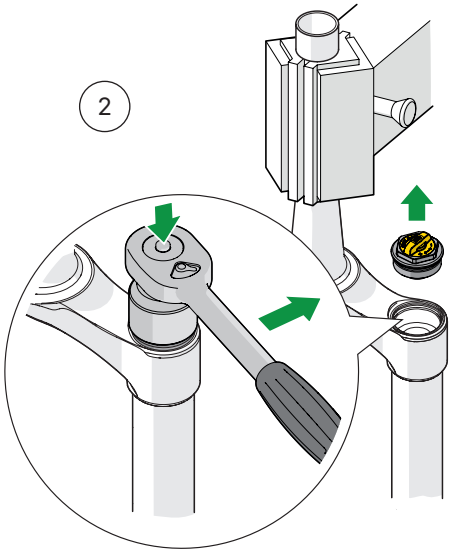


2. Use a socket wrench with a hex socket 28 mm (18860-01) to remove the preload adjuster assembly.

Caution!

Do not use an adapter between wrench and socket, as this will increase the risk of damaging the anodized finish of the top cap.

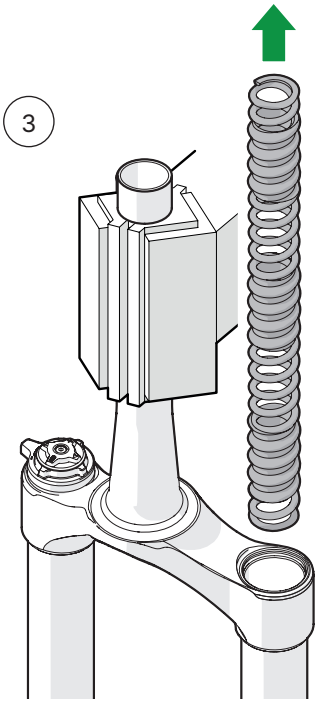
Important!
Apply pressure on socket while unthreading.

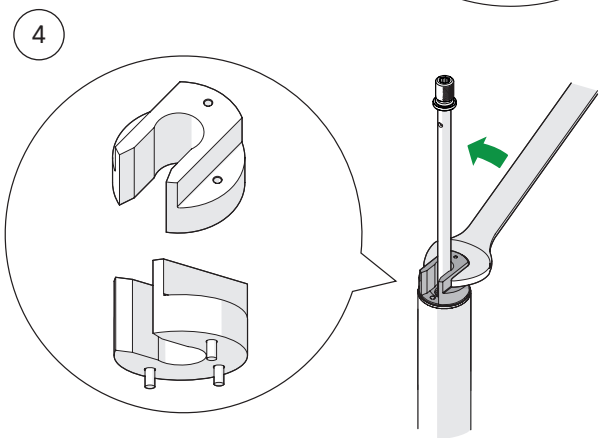


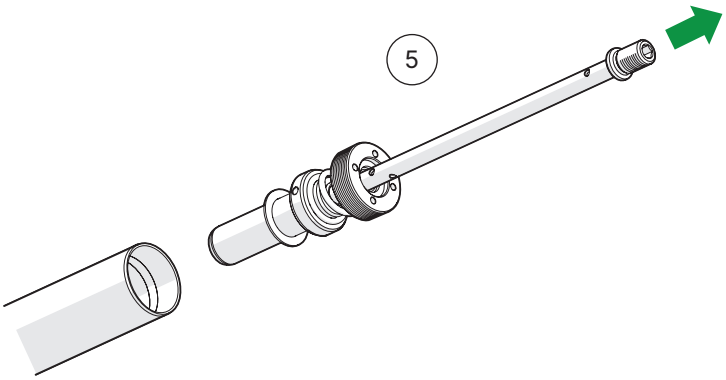
3. Remove the spring.

4. Use the Coil kit tool (18867-01) and a 20 mm wrench to loosen the spring cartridge.

5. Remove the spring cartridge.







RXF36 COIL 100-HOUR SERVICE

6. Clean the spring cartridge and washer with a paper cloth or soft rag. Remove the washer.

7. Remove the old o-ring from the piston rod end.

8. Install a new o-ring (00338-57) from the service kit (18885-01). Lubricate the o-ring with assembly grease.

9. Remove the old o-ring from the preload adjuster assembly.

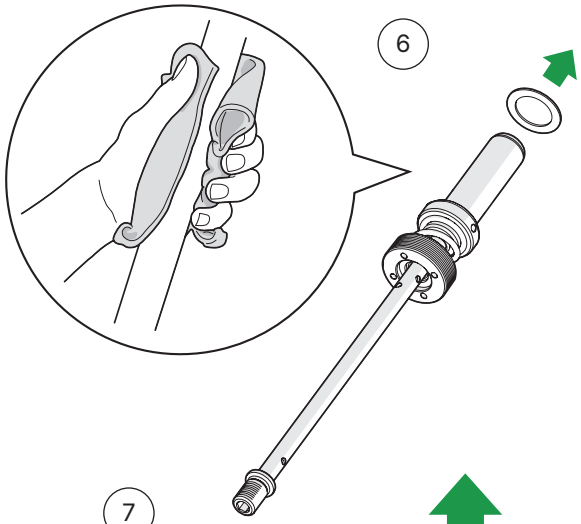
10. Clean top cap threads (male and female) using a rag covered by degreaser or brake cleaner. Use a nylon bristled brush to remove any remaining residue from threads.

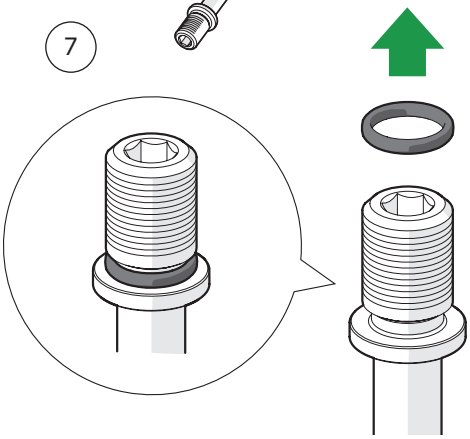
Note!

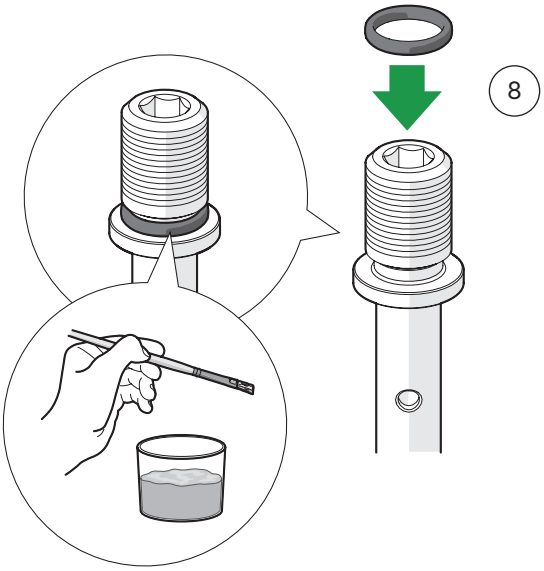
Do not use alcohol: alcohol reacts and causes damage to the seals.

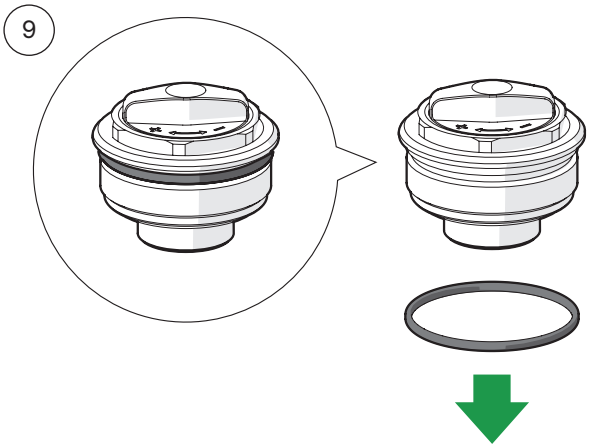
Important!
Make sure any old Loctite is removed.

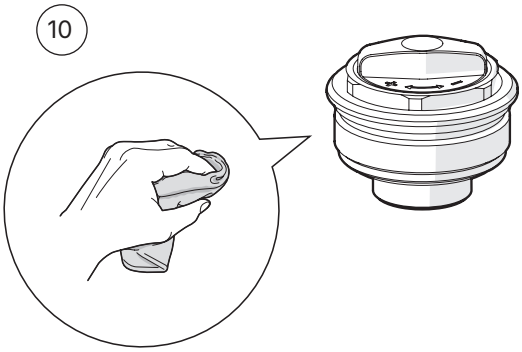
11. Install a new o-ring (00576-06) from the service kit (18885-01). Lubricate the o-ring with assembly grease. Do not get grease on the threads.

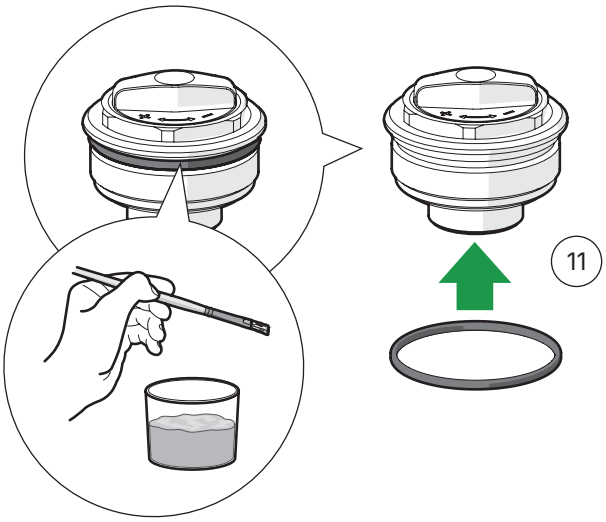












RXF36 COIL 100-HOUR SERVICE

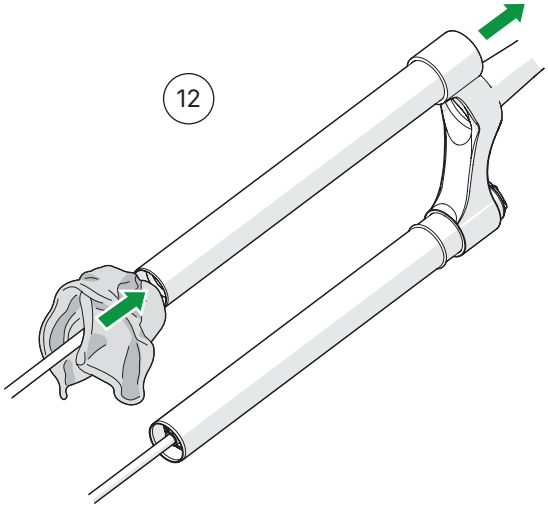
12. Use a rag wrapped around a long rod or similar to clean the inside of the spring stanchion tube.

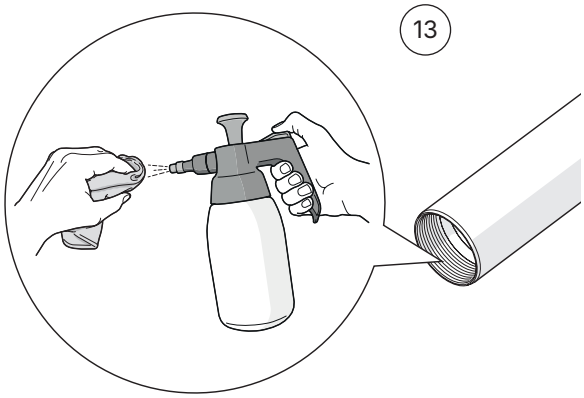
13. Clean the threads of the spring stanchion tube by using disc brake cleaner and a paper cloth or rag.

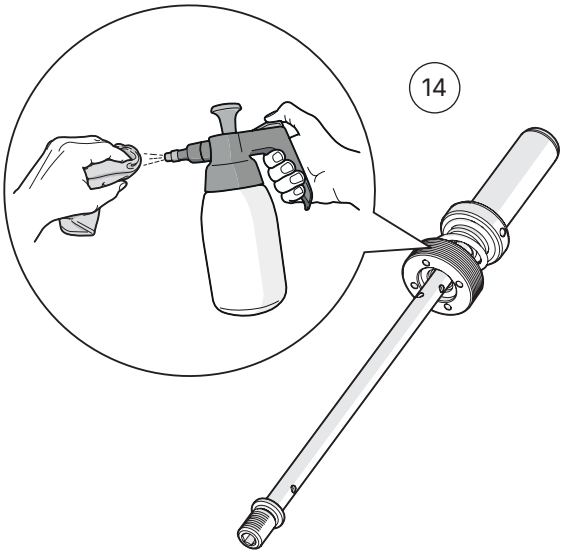
14. Clean the threads of the spring cartridge by using disc brake cleaner and a paper cloth or rag.

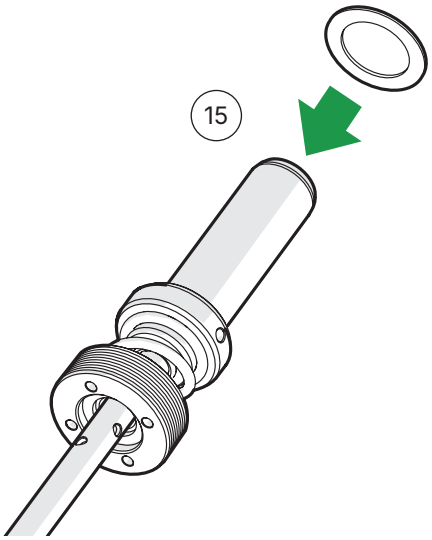
15. Reinstall the washer.

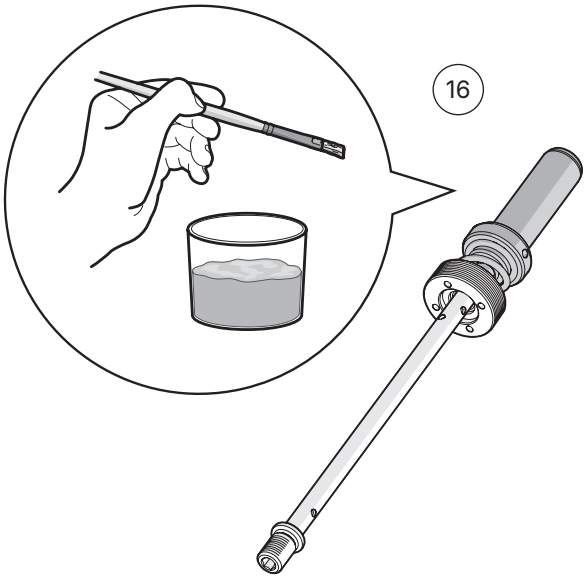
16. Apply a layer of assembly grease on the upper part of the spring cartridge.











RXF36 COIL 100-HOUR SERVICE

17. Reinstall the spring cartridge into the stanchion tube.

18. Use the Coil kit tool and a 20 mm wrench to tighten the spring cartridge to 15 Nm.

19. Inspect the spring and clean it with a paper cloth or soft rag.

Note!

The section below explains the procedure on how to replace the protective tubes. Protective tubes are included in 18885-01 Service kit RXF36 Coil kit. Choose the same color of the protective tubes since this indicates the spring rate. Contact an Öhlins dealer for more information.

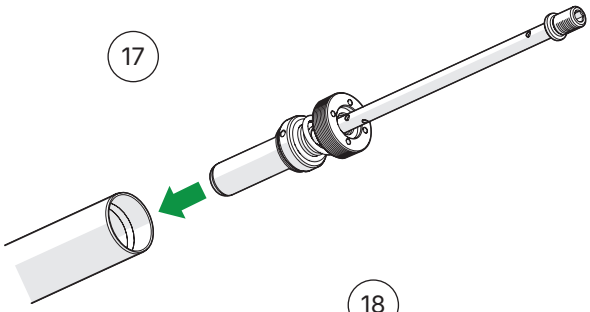
20. Cut off and remove the old protective tubes.

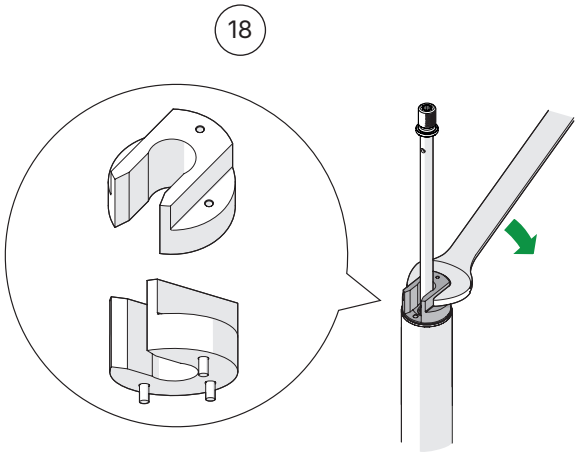
Caution!

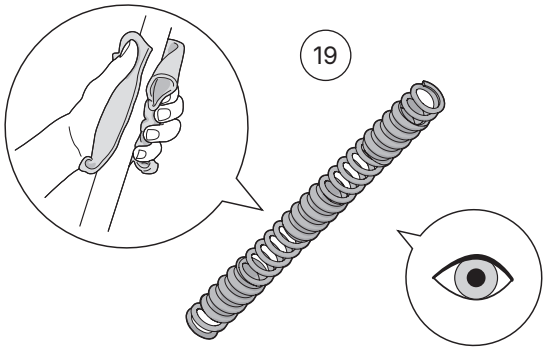
Be careful not to damage the spring when cutting off the protective tubes.

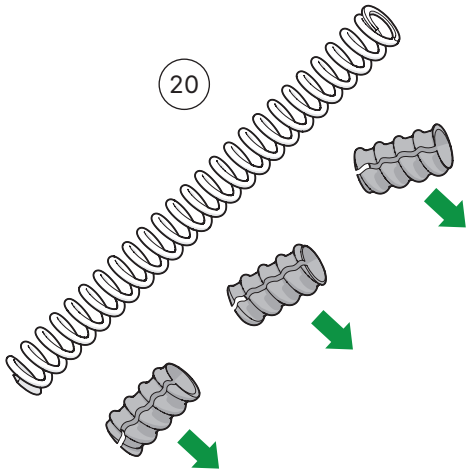
21. Clean the spring by using disc brake cleaner and a paper cloth or rag.

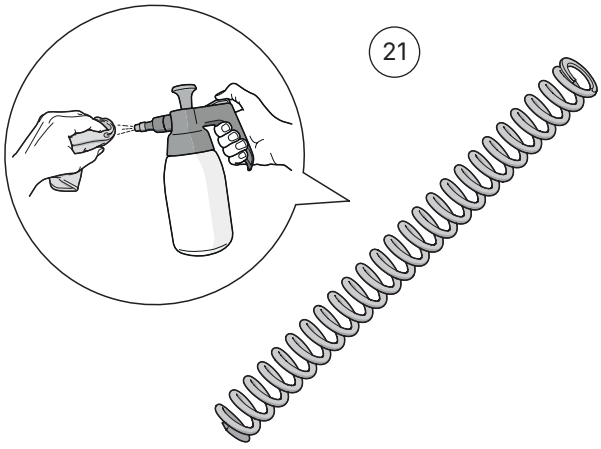
22. Slide three new protective tubes over the spring. Position them in the middle and 2 cm from each end.

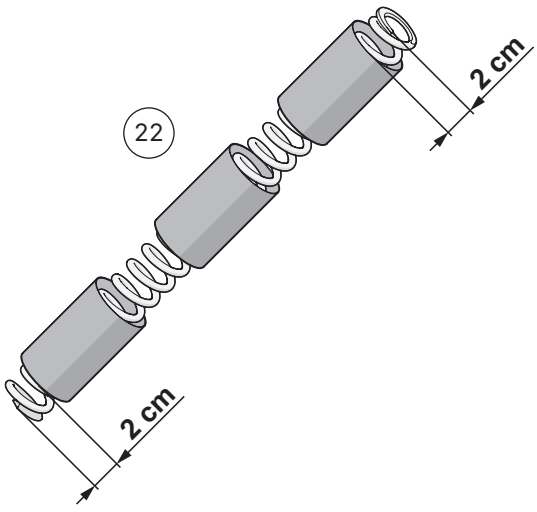












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23. Use a heat gun and gently heat the protective tubes until they wrap tightly around the spring.

24. Let the spring cool down to room temperature.

25. Apply a generous layer of assembly grease on the spring and protective tubes.

26. Reinstall the spring into the stanchion tube.

27. Apply blue Loctite 243 to the first (lower) two (2) threads of the top cap (male).

28. Use a torque wrench with a 28 mm hex socket (18860-01) to tighten the preload adjuster assembly to 32 Nm.

✋ Caution!

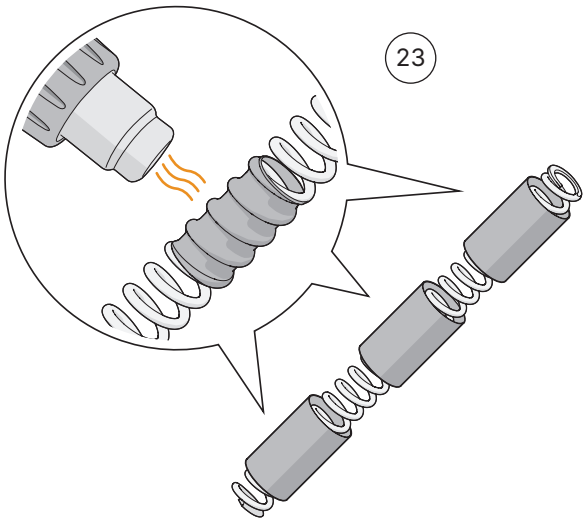
Do not use an adapter between wrench and socket, as this will increase the risk of damaging the anodized finish of the top cap.

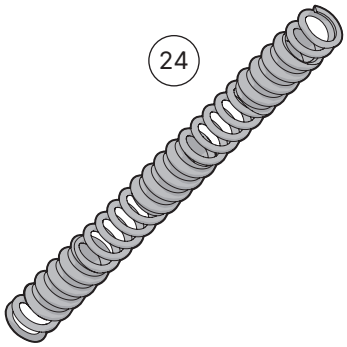
Important!
Apply pressure on socket while torqueing.

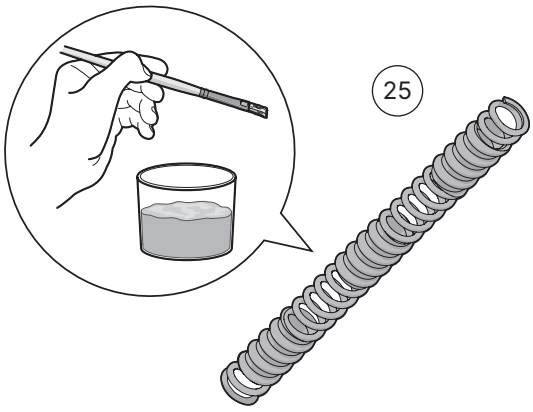
29. Wipe off eventual excessive Loctite 243

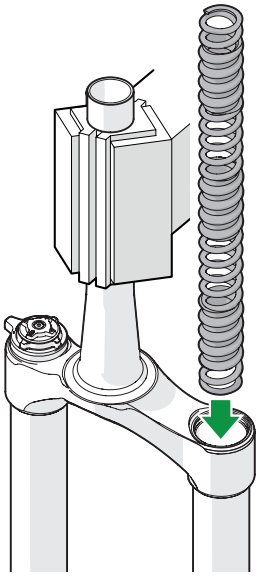
Important!
Leave the Loctite to cure for 24 hours before riding.

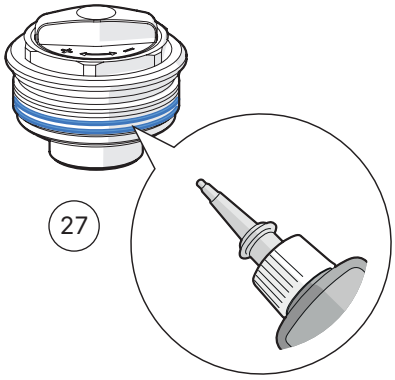
30. Reinstall the stanchion tubes into the lower legs.
Clean out old oil before installing.

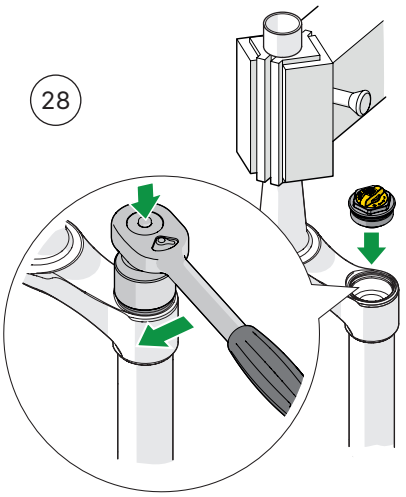


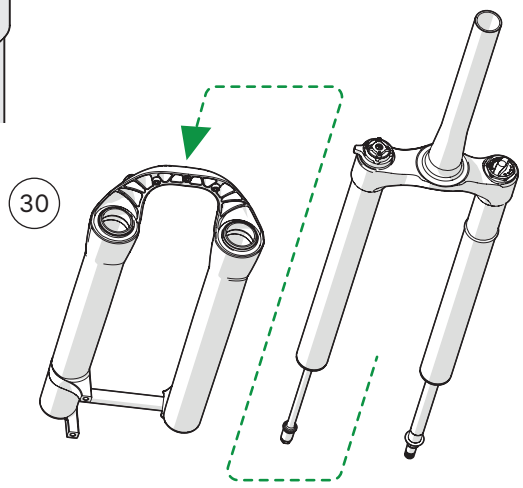






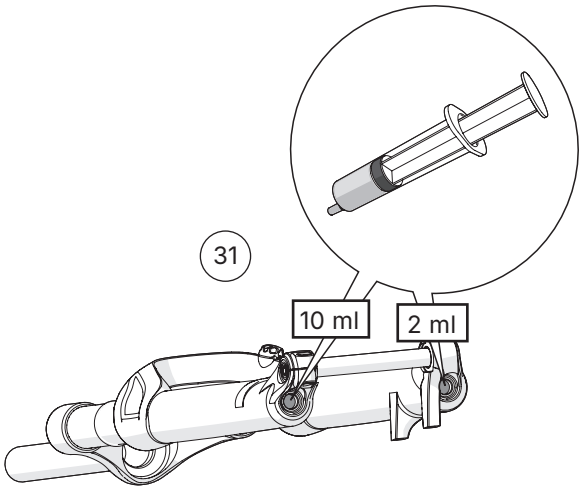




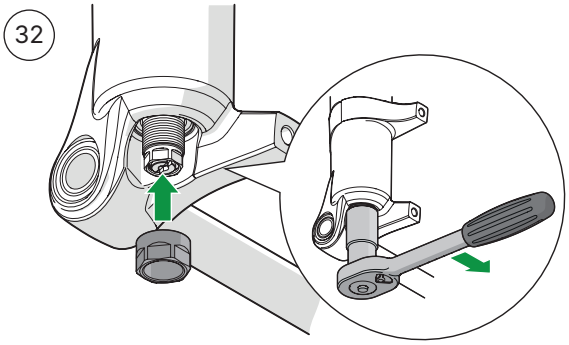


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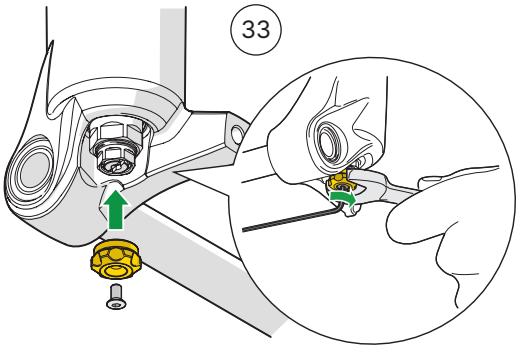
31. Pull fork apart a bit to be able to place the syringe in the holes in the lower, direct the syringe away from the piston rod end so that the oil hits the wall of the lower leg and not the thread of the piston rod end. Inject 2 ml of damper fluid in the damper leg and 10 ml
in the coil spring leg.



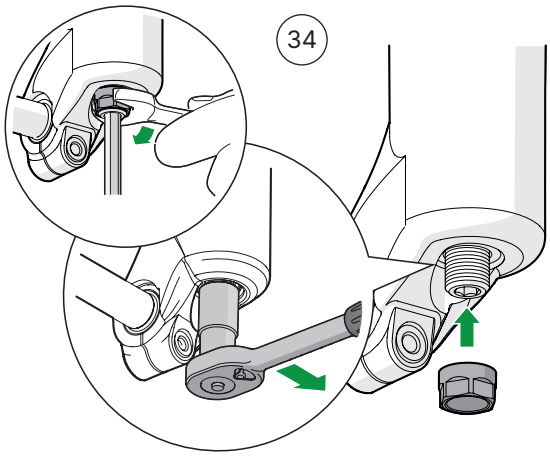
32. Reinstall the rebound adjuster nut. Use a torque wrench with a 14 mm hex socket and tighten to 10 Nm.



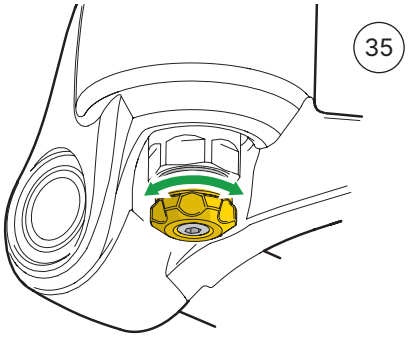
33. Reinstall the rebound adjuster knob and screw. Use a 14 mm wrench to hold the knob steady. With a 2 mm hex wrench tighten the screw and knob.



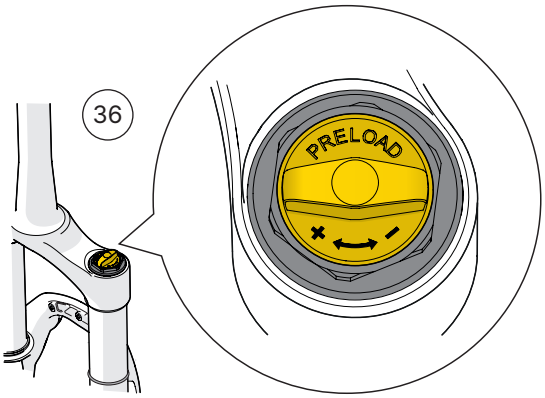
34. Reinstall the spring cartridge nut. Use a 6 mm hex wrench to hold the spring cartridge steady and fasten the nut with a 14 mm wrench. Use a socket wrench with a 14 mm deep hex socket to tighten the nut to 10 Nm.



35. Adjust the rebound setting.



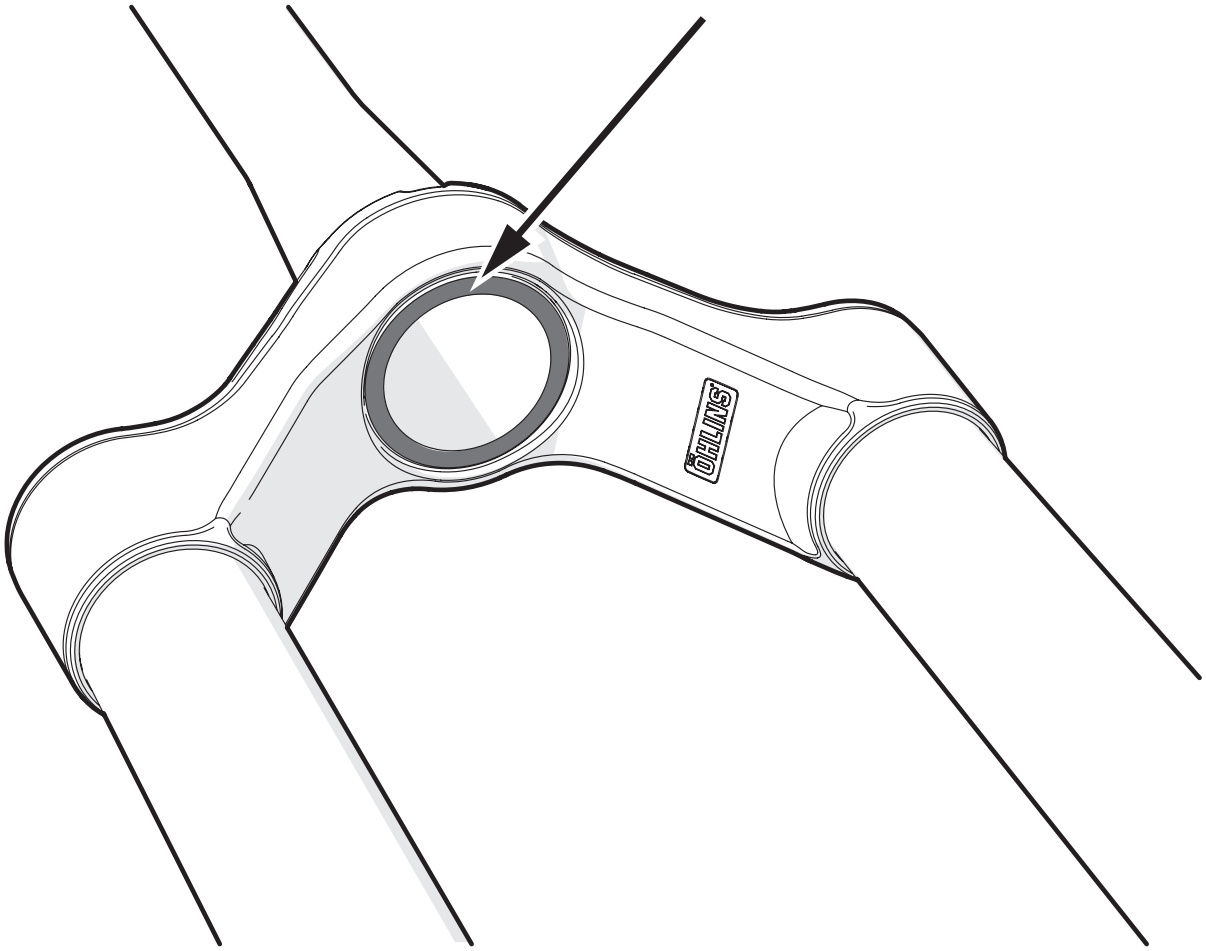
36. Adjust the preload setting.



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Appendix A

Part no of the fork can be found at the bottom of the steering tube.



Workshop Manual RXF36 Coil MTB Issued 2026-07-03 © Öhlins Group AB

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