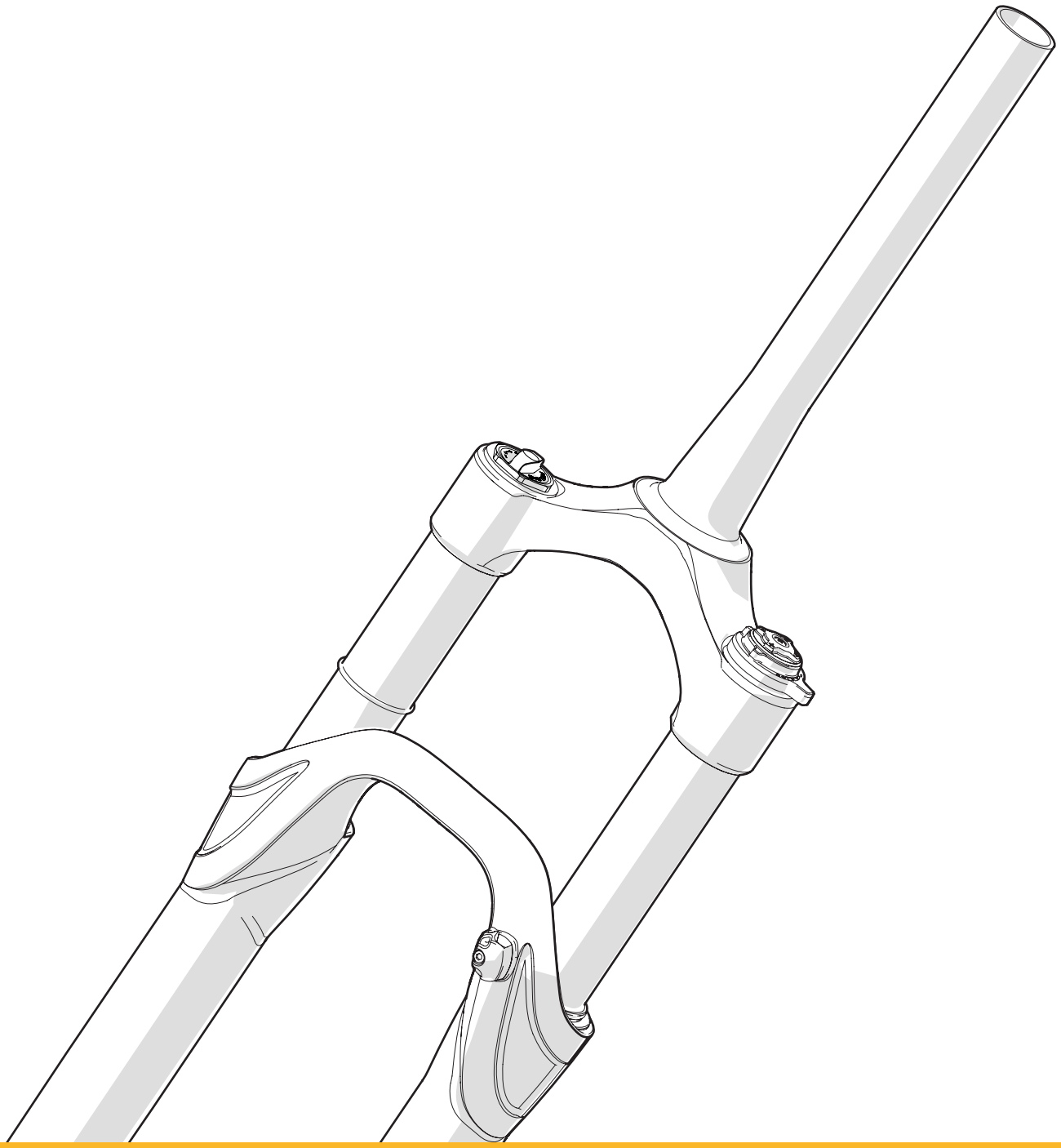


Front Fork

RXF36 Coil

Workshop Manual - 50 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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RXF36 COIL 50-HOUR SERVICE

Service Kit Contents

1	18885-01	Service Kit RXF36 Coil kit

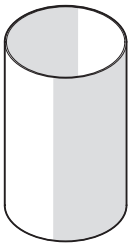
1



00338-57
(O-ring 9.1×1.6)



00576-06
(O-ring 30×1.5)



(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

Oil and grease

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 Loctite 243

Tool

18860-01	Hex socket 28 mm

RXF36 COIL 50-HOUR SERVICE

Front Fork RXF36 Coil 50-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.

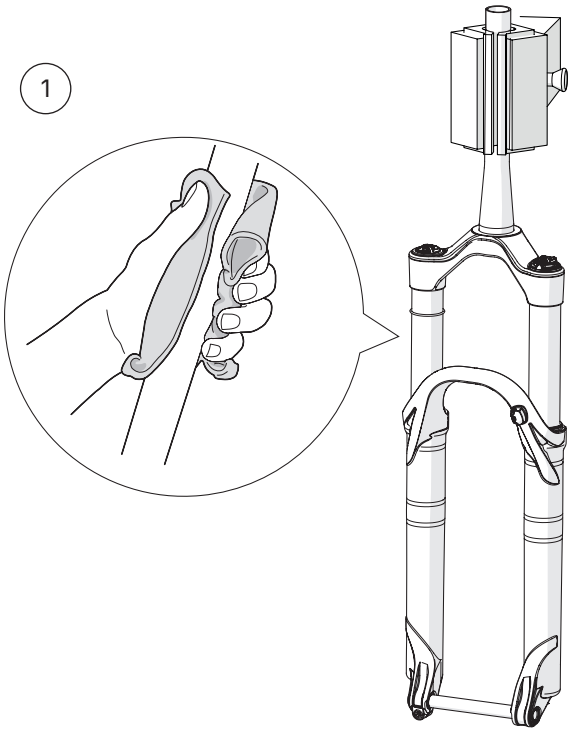
1. Thoroughly clean the outside of the fork from dirt or grit.

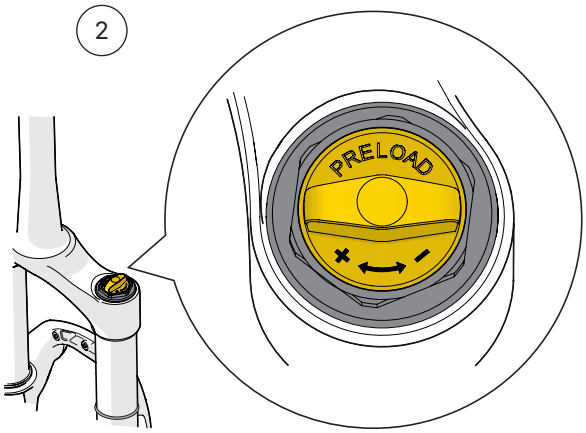
2. Turn the preload adjuster knob anticlockwise towards minus until it stops (minimum preload position).

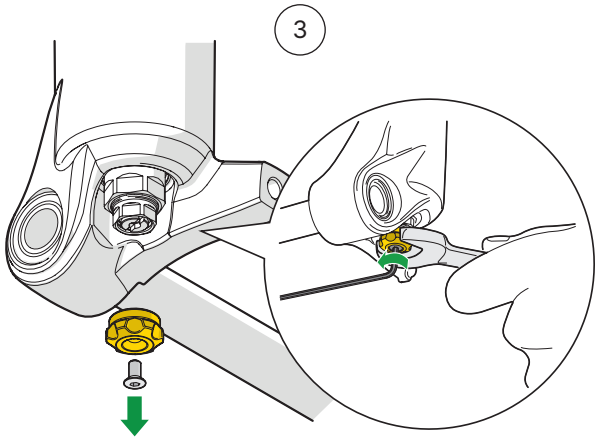
3. Use a 14 mm wrench to hold the rebound adjuster knob steady. With a 2 mm hex wrench remove the screw and the knob.

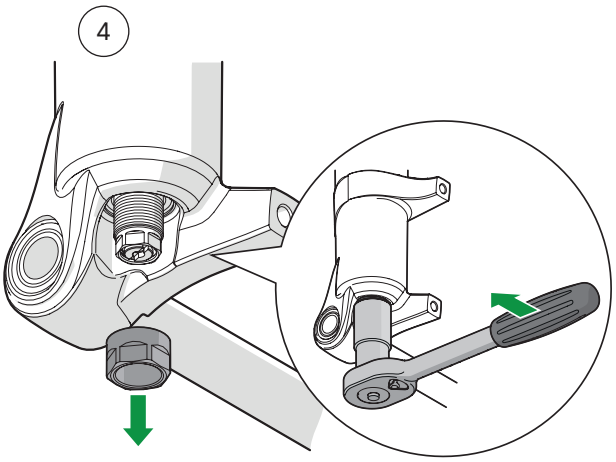
4. Remove the nut by using a socket wrench with a 14 mm deep hex socket.

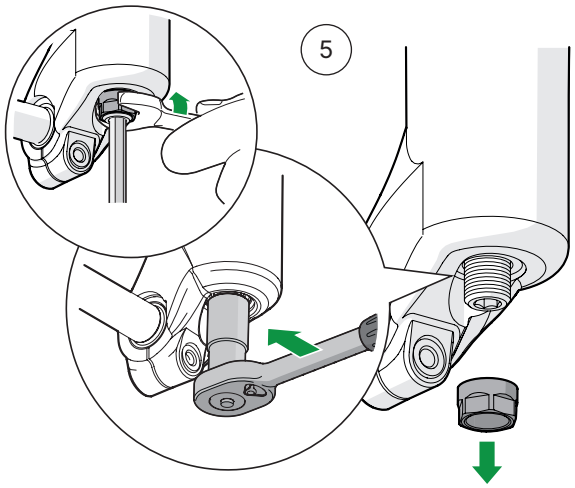
5. Use a 6 mm hex wrench to hold the spring cartridge steady and
loosen the nut with a 14 mm wrench. Use a socket wrench with a 14 mm deep hex socket to remove the nut.











RXF36 COIL 50-HOUR SERVICE

6. Slide the lower legs off the stanchions.

7. Drain the lower legs of all fluids.

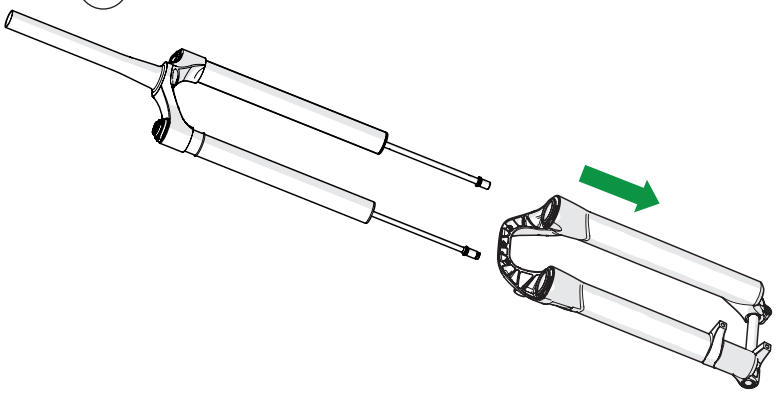
8. Use tweezers to cautiously remove the foam rings in the lower legs.

9. Carefully clean the foam rings using disc brake cleaner and a paper cloth or rag to remove old suspension fluid and dirt. Inspect for damages and replace if necessary.

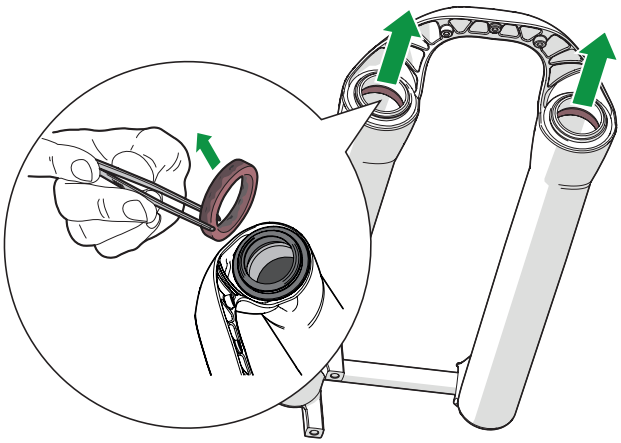
10. Soak the foam rings in fresh damper fluid.

11. Hold the lower legs upside down and clean the wiper seals and the upper bushings with a soft rag.

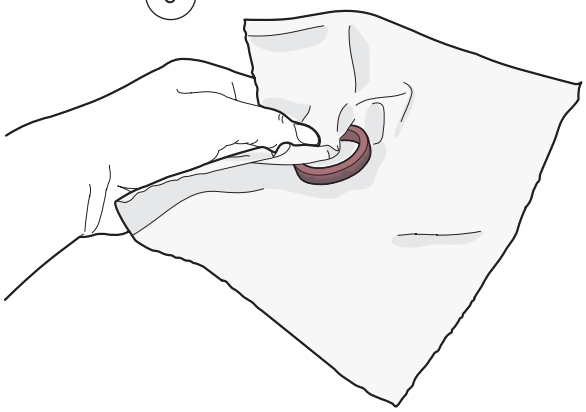
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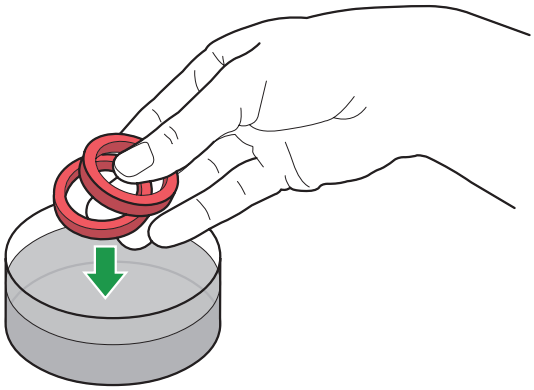
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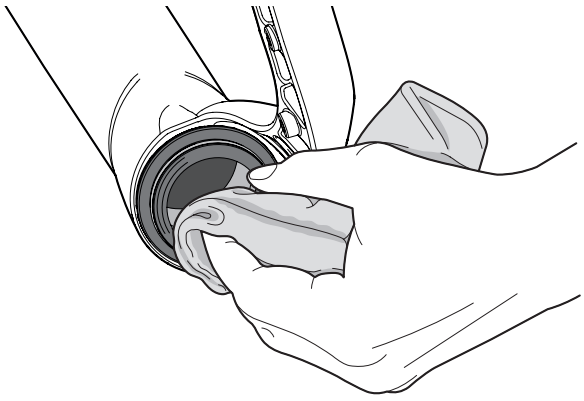
9



10



11



RXF36 COIL 50-HOUR SERVICE

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

Note!

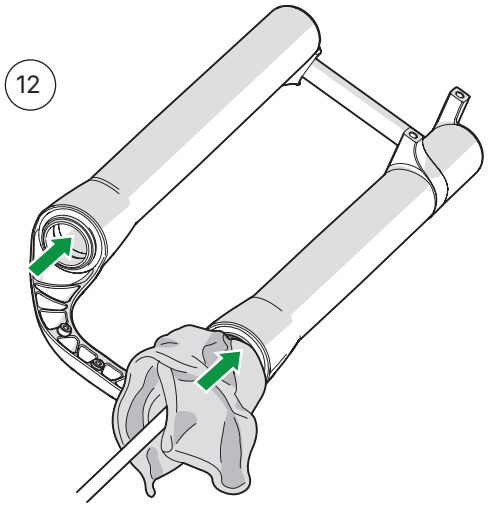
Be careful not to scratch the bushings.

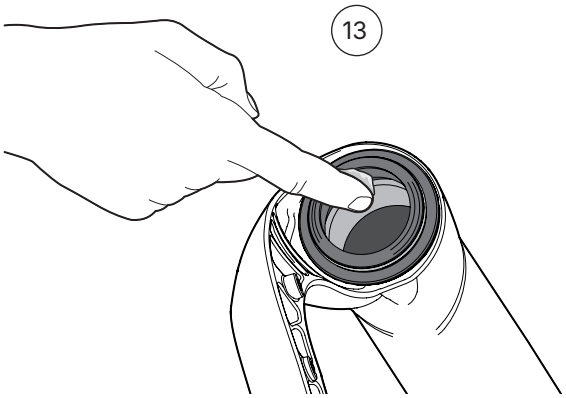
13. Apply a thin layer of functional grease to the inner surfaces of the wiper seals.

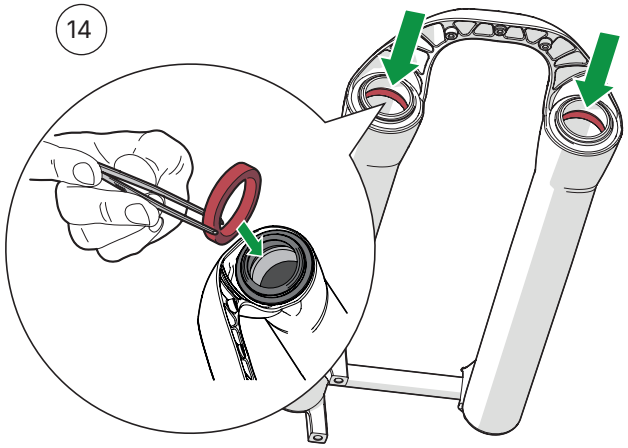
14. Use tweezers to carefully re-insert the soaked foam rings into the lower legs. Check that they are mounted corrrectly and not twisted.

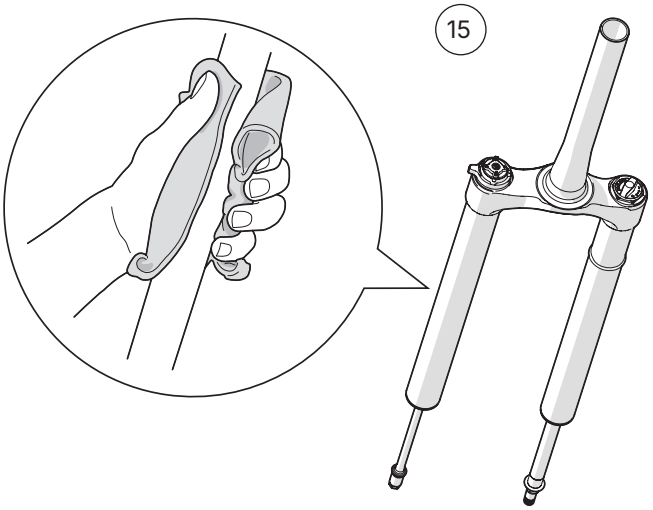
15. Clean the stanchion tubes with a paper cloth or soft rag.

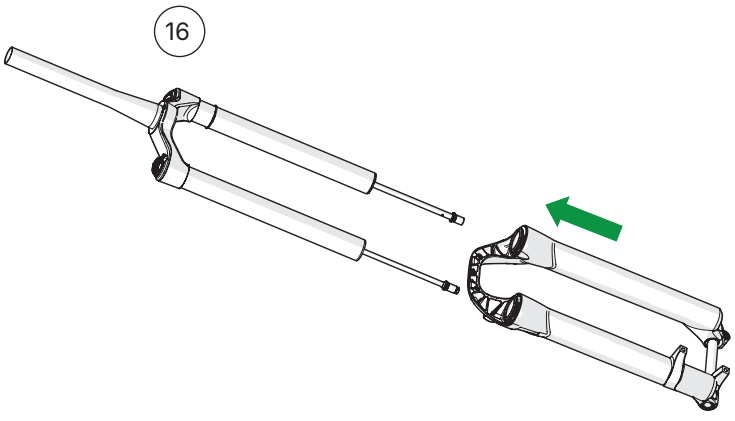
16. Reinstall the stanchion tubes into the lower legs.











RXF36 COIL 50-HOUR SERVICE

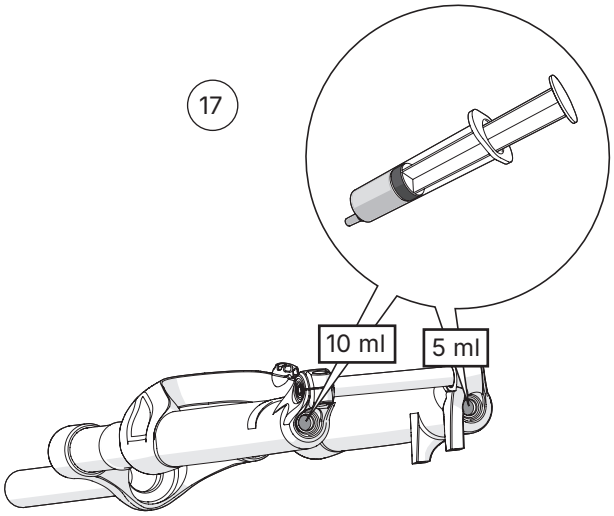
17. Inject 10 ml of damper fluid in spring fork leg and 5 ml in damper fork leg.

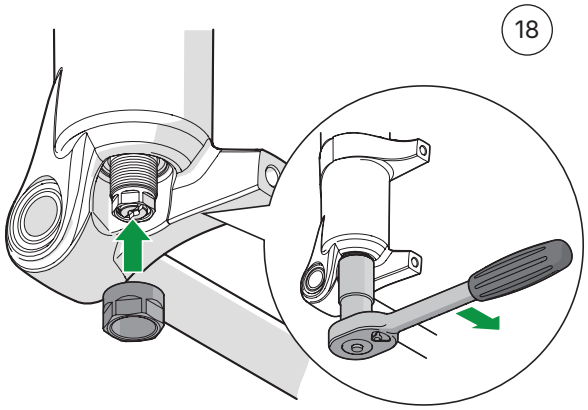
18. Reinstall the rebound adjuster nut. Use a torque wrench with a 14 mm hex socket and tighten to 10 Nm.

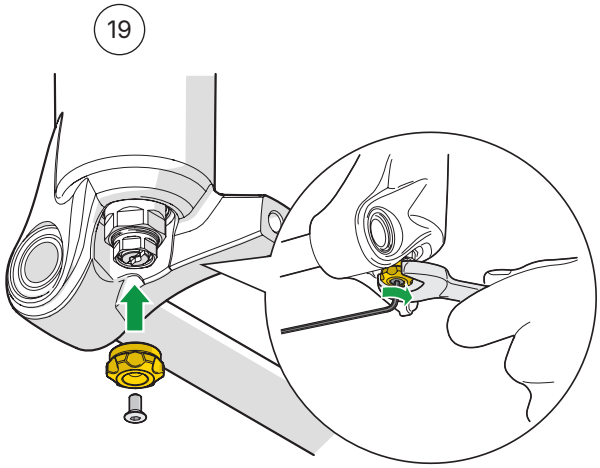
19. Reinstall the rebound adjuster knob and screw. Use a 14 mm wrench to hold the knob steady. With a 2 mm hex wrench tighten the screw and knob.

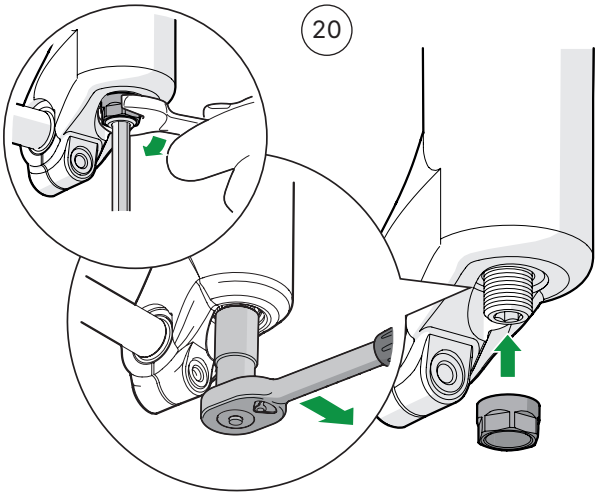
20. Reinstall the spring cartridge nut. Use a 6 mm hex wrench to hold the spring cartridge steady and fasten the nut with a 14 mm wrench. Use a socket wrench with a 14 mm deep hex socket to tighten the nut to 10 Nm.

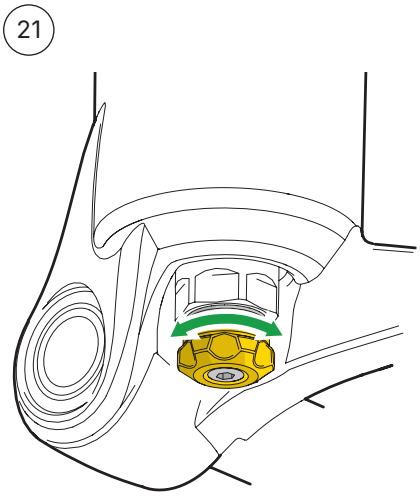
21. Adjust the rebound setting.











RXF36 COIL 50-HOUR SERVICE

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

23. 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.

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

25. Remove the spring.

26. 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.

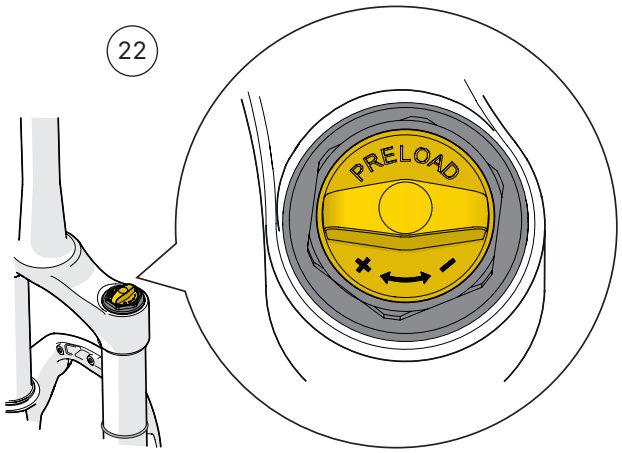
Note!

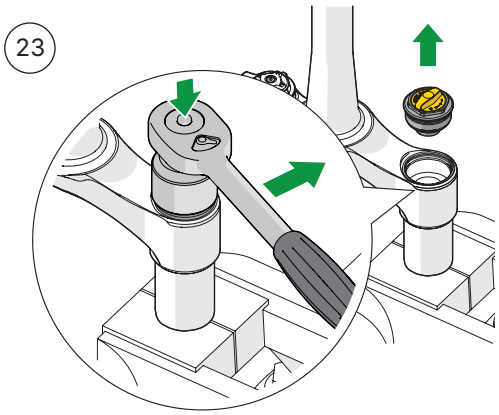
Do not use alcohol: alcohol reacts and causes damage to the seals.

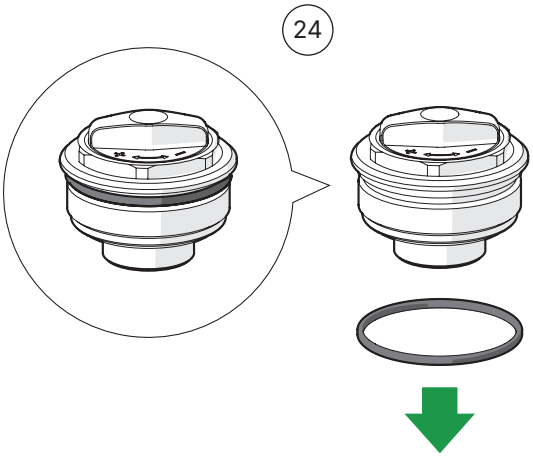
Important!
Make sure any old Loctite is removed.

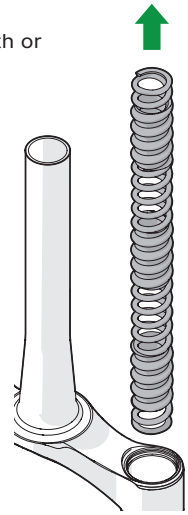
27. Reinstall the o-ring and lubricate with assembly grease.

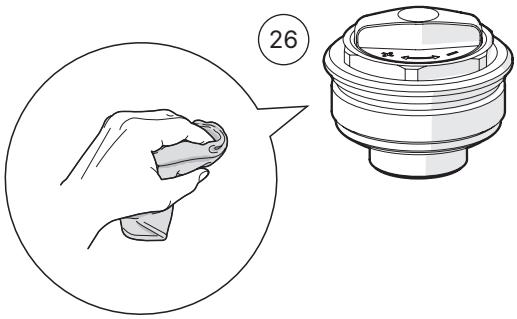
28. Clean the spring and protective tubes with a paper cloth or soft rag.

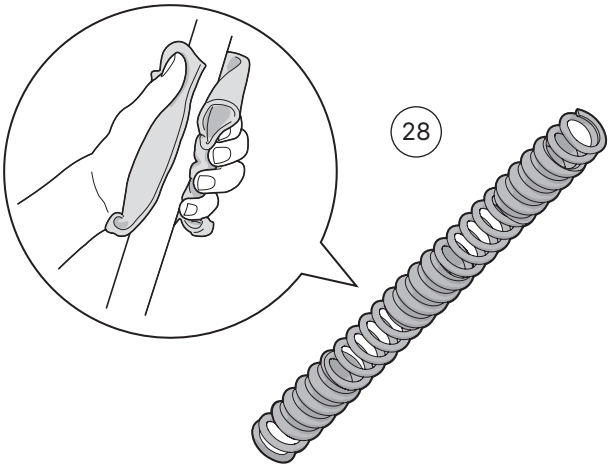


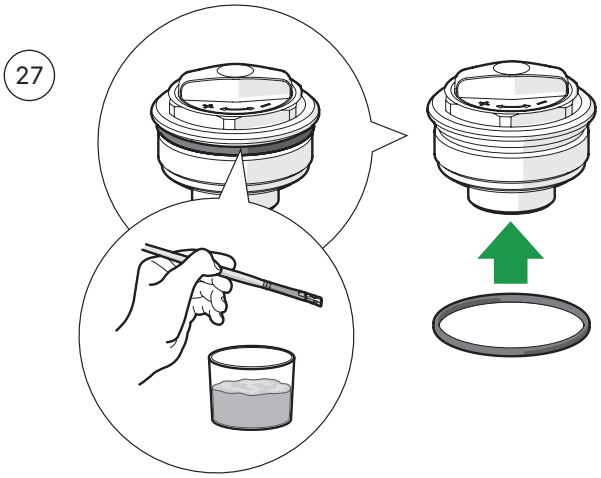












RXF36 COIL 50-HOUR SERVICE

29. Inspect the spring and protective tubes. If the protective tubes
are intact and not damaged, continue with **step 35**.

Caution!

If the protective tubes are damaged they have to be replaced not to damage inner tube and to prevent noice from spring touching inner tube.

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.

30. Cut off and remove the old protective tubes.

Caution!

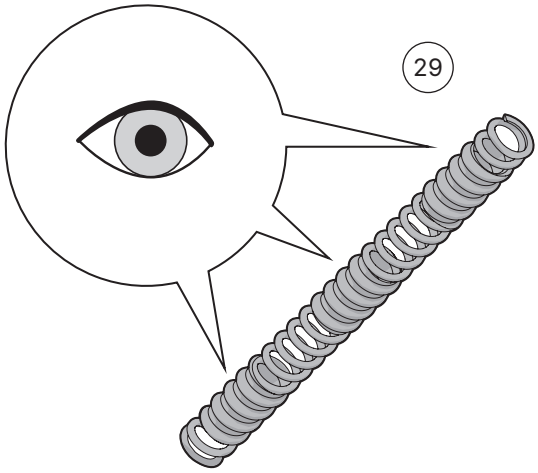
Be careful not to damage the spring when cutting off the protective tubes.

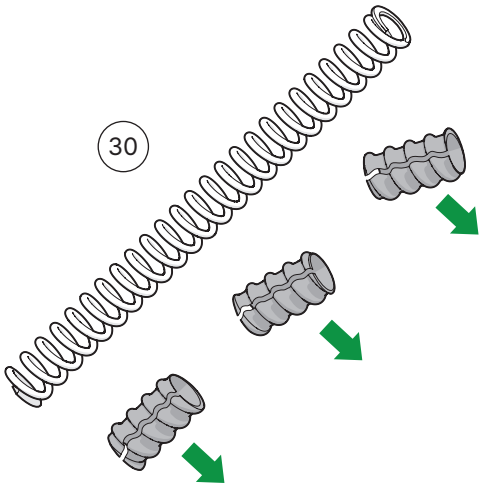
31. Clean the spring by using disc brake cleaner and a paper cloth or rag.

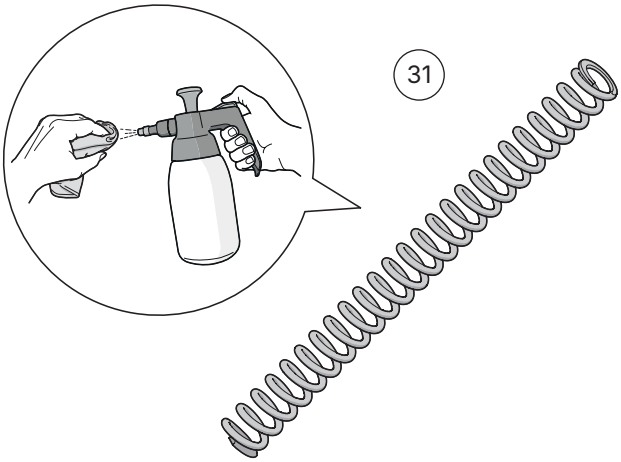
32. Slide three new protective tubes, with same color, over the spring. Position them in the middle and 2 cm from each end.

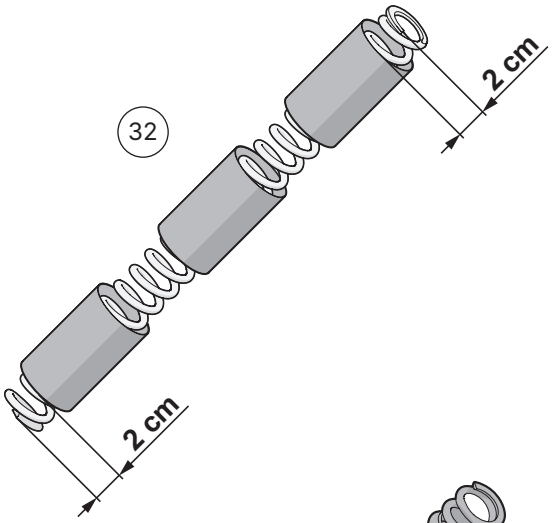
33. Use a heat gun and gently heat the protective tubes until they wrap tightly around the spring.

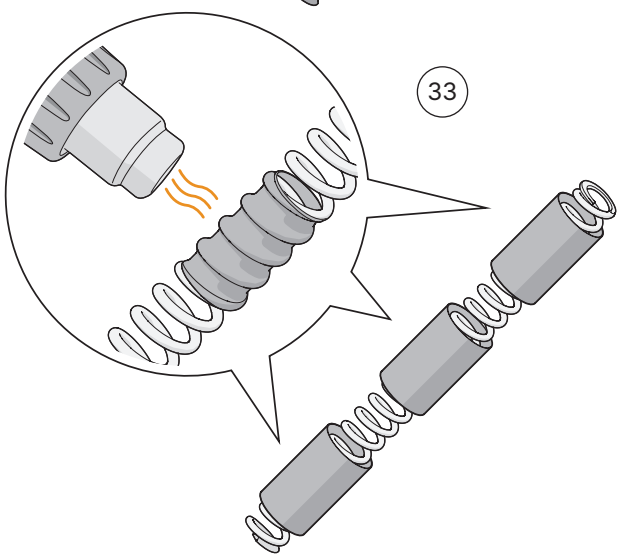
34. Let the spring cool down to room temperature.

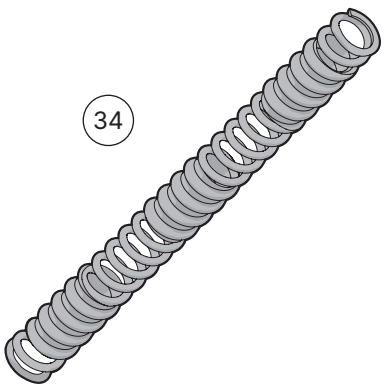












RXF36 COIL 50-HOUR SERVICE

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

36. Reinstall the spring into the stanchion tube.

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

38. 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.

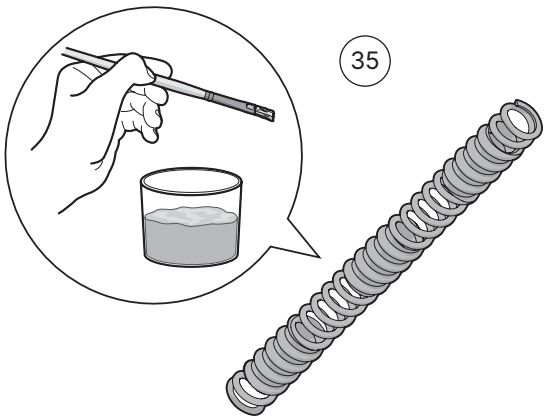
39. Wipe off eventual excessive Loctite 243.

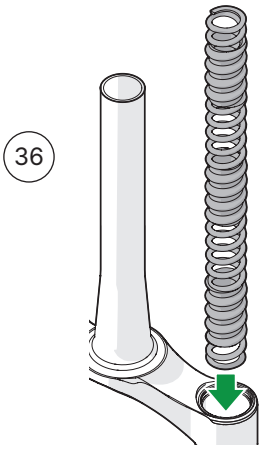
Important!
Leave the Loctite to cure for 24 hours before riding.

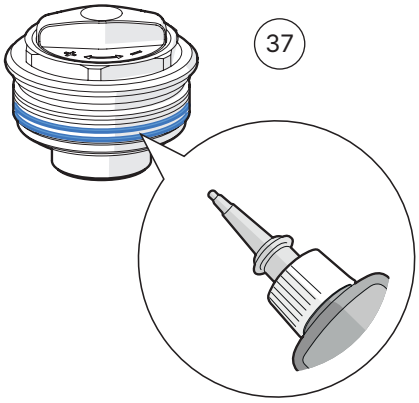
40. Adjust the preload setting.

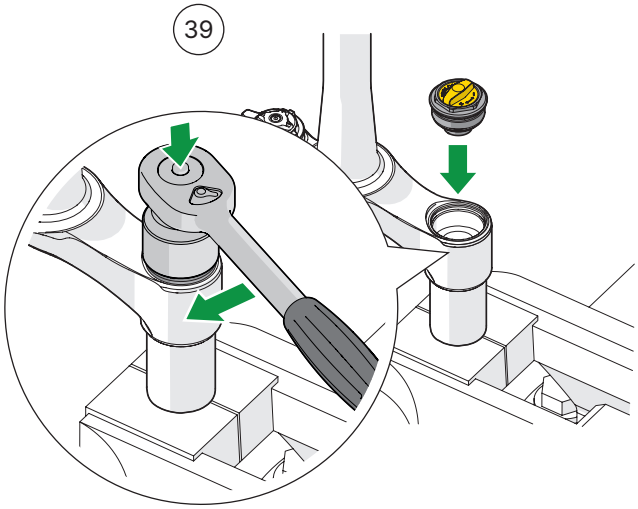
41. Go out and enjoy your ride!

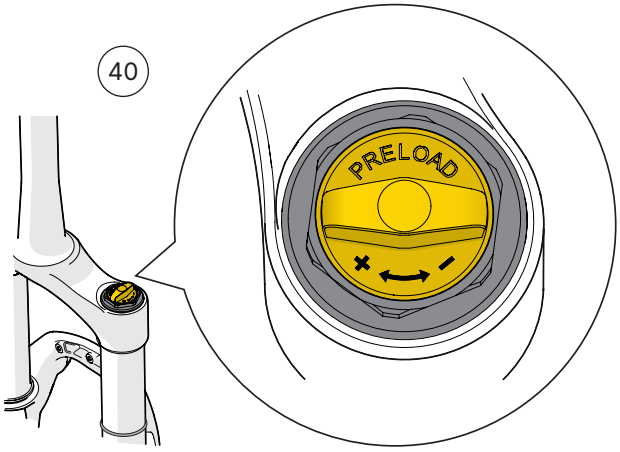
See Owner's Manual/Mounting Instructions for more information.











Workshop Manual RXF36 Coil MTB Issued 2025-06-25 © Öhlins Group AB

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