



Luftkappe

FORK AIR PISTON UPGRADE

INSTALLATION MANUAL - ROCKSHOX ZEB & DOMAIN

REVISION A



The Luftkappe can be installed by anyone who already possesses the tools and the know-how to service their own fork - or by anybody who has the tools and can follow instructions closely.

Key things to note before you start:

- 1.** You need a torque wrench. Don't try it without one. Beg, borrow, rent, buy or steal one from a friend.
- 2.** You will need 10mm shaft clamps to hold the air spring shaft. Please don't try grabbing the shaft in a vice or in V-blocks, you WILL damage it.
- 3.** We refer to the Rockshox service manuals for all aspects of the servicing OTHER than the specific installation of the Luftkappe to the Debonair Air Shaft.
- 4.** Record your air pressure and rebound settings before you start doing anything else.
- 5.** Don't do it drunk. Even if you're Australian.
- 6.** The Luftkappe only replaces the piston - not the entire air shaft. We will be removing the existing piston from the air shaft, and replacing it with the Luftkappe.

Tools required:

NOTE: Do not proceed unless you have the following tools and supplies on hand.

- 15mm socket / wrench
- 18mm socket / wrench
- Torque wrench
- Slickoleum (Slick Honey) grease
- 20wt WPL ShockBoost oil or Rockshox 0W30 oil
- Red Loctite
- Blue Loctite
- Isopropyl alcohol
- Clean, lint-free shop towels.

- 1 See manufacturer's service instructions for removing the stock air spring from your fork.

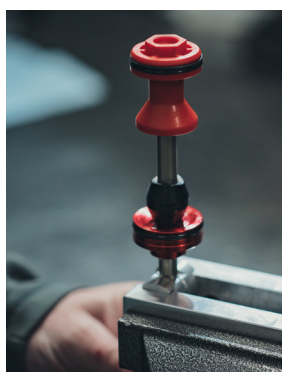
ROCKSHOX: <https://www.sram.com/en/service/manuals--documents/service-manuals?filters=&showRecent=false&page=1>

Refer to the relevant factory service instructions up until you have removed the air spring from the stanchion.

Refer to the Factory service instructions for torque specifications, lubrication specifications and general disassembly/reassembly.

- 2 Clamp shaft in 10mm shaft clamps.

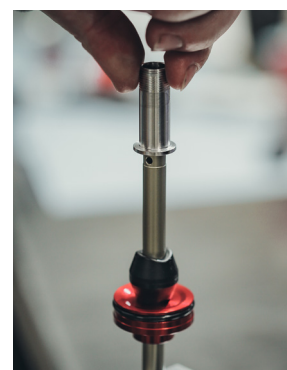
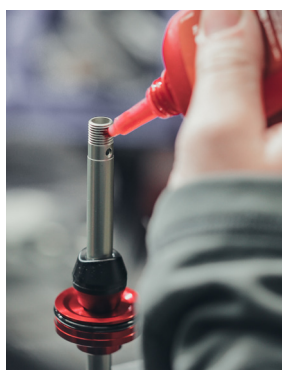
Use an 18mm socket or wrench to remove the old (red) piston.



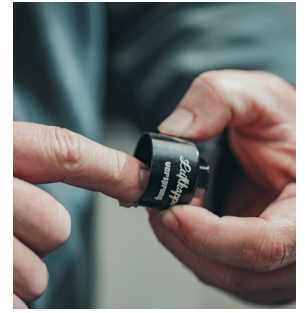
- 3 Clean off the Loctite residue from the shaft threads.



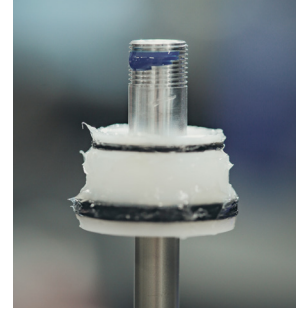
- 4 Apply fresh red Loctite to the shaft thread and thread the Luftkappe stud into place by hand.



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- 5** Slide plastic Luftkappe piston onto stud, and ensure o-ring on outside/top of piston is greased. Lightly grease inside surface of Luftkappe dome.



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- 6** Apply blue Loctite to thread on piston stud



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- 7** Thread dome on to piston by hand, and torque to 50in.lbs (5.5Nm).



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- 8** Thoroughly coat piston & dome with Slick Honey

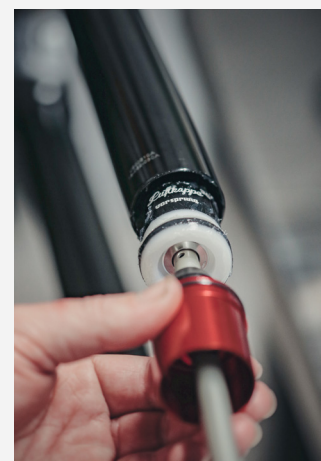
Luftkappe installation is now complete.



Continue servicing the fork as per Rockshox's instructions if you are servicing the damper or replacing the wiper seals, or skip to the reassembly instructions.

Follow the factory instructions for reassembly, but do not repressurise yet.

Note: ensure footbolts are done up with the fork fully extended. If they're done up with it partly or completely compressed, the fork will suck down into its travel.



SETUP

Step One

Your token configuration should start with two tokens less than you had previously. The maximum number of tokens you can safely run is TWO LESS than what is specified by Rockshox for the configuration of fork you have, when it is in stock guise.

Step Two

Your starting air pressure should be approximately the same as your air pressure was before installing the Luftkappe, however it's easiest to get there in two or three steps.

- a) Pressurise the fork to roughly 1/3 of the final pressure you are aiming for. You will notice the fork is now very stiff at the start of the travel, and is topped out quite hard.
- b) Compress the fork several times, very slowly, to allow pressure to equalise between the positive and negative chambers. You will feel a soft notch in the motion near the start of the stroke - if you hold the fork at that position you will feel it get softer over the space of a couple of seconds at most.
- c) Once the two chambers are equalised fully, the fork will top out more gently.
- d) After the two chambers are equalised, pump the fork up to roughly 2/3 the pressure you are aiming for and repeat the equalisation process there.
- e) Repeat equalisation process at full pressure.

Step Three

Ride your bike and adjust pressure and volume configurations as you see fit.

Questions?

Email steve@vorsprung suspension.com
www.vorsprung suspension.com