

RampAir – Installation Guide & Safety Instructions

Compatible with suspension forks from RockShox®, Fox®, Marzocchi®, SR Suntour® and DVO®

(Step-by-step instructions for installing your RampAir unit)

Safety instructions

Please read this guide carefully before you begin installation. Improper installation can lead to malfunctions that may result in serious injury or death. Use only original RampAir components. Never modify the unit. Always wear protective gloves and safety glasses while working. If you are unsure, have the installation carried out by a professional workshop!

Required Tools & Materials

- Torque wrench
 - Appropriate socket
 - Open-end wrench (24 mm)
 - Shock pump
 - High-quality specialty grease (e.g., r.s.p. SLICK KICK™)
 - Clean workbench and cloths
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Step by step installing

Step 1:

Make sure there is no pressure in the air chamber.



Step 2:

Now remove the air TopCap according to the manufacturer's instructions. For dual-crown forks, it may be helpful to loosen the upper crown's clamp bolts to make it easier to loosen the TopCap.

Step 3:

Then remove both valve caps from the RampAir Air TopCap.

Step 4:

In the next step, apply a small amount of grease (e.g., "r.s.p. SLICK KICK™ specialty grease" or similar) to the seals and threads of your RampAir unit.



Step 5:

Carefully position your RampAir unit at the start of the threads in your fork's stanchion assembly and gently turn it in by hand for 2–3 rotations. Pay close attention to smooth engagement while turning to avoid damaging the threads.

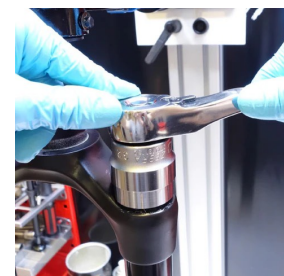


Step 6:

Then tighten the RampAir unit using a torque wrench and the appropriate socket. Refer to your fork manufacturer's manual for the correct torque settings. The same torque values apply as for the original air TopCap.

For example:

- Fox: 24.8 Nm
- RockShox Boxxer: 7.3 Nm
- RockShox Single Crown forks: 28 Nm



When tightening, ensure that the socket does not damage the fork crown.

Step 7:

Before refilling your RampAir unit and your fork's air chamber, you may align the valve head if necessary by carefully rotating it with a 24 mm open-end wrench. (Caution! Turn only clockwise.)

Important:

After installing your RampAir unit, make sure that the Air TopCap does not collide with your frame's downtube. Never adjust the orientation of the valve head while either air chamber is under pressure — this may damage your RampAir unit.



Step 8:

First calculate your new main chamber pressure by multiplying your previous main chamber pressure by 0.85. If you do not yet have experience with your fork, follow the manufacturer's recommended pressure.



- Then fill the RampUp chamber (via the valve marked “++”) with 1.6 times the new main chamber pressure.
- Fill the main chamber (via the valve marked “+”) with 85% of your previous main chamber pressure.

⚠ The pressure in the RampUp chamber must not exceed 170 psi while the main chamber is not filled. Exceeding this limit can damage your RampAir unit.

Step 9:

Check the pressures:

The pressure difference between the RampUp chamber and the main chamber must not exceed **170 psi**.

The maximum air pressure in your RampAir unit is **200 psi**.

If the pressures you require differ from the specified maximum values, please contact

Step 10:

Fine-tuning the main chamber pressure:

The correct SAG should be between **22% and 28%** of the fork’s travel.

Adjust the air pressure accordingly. Make a note of this value, as it will be needed to set the RampUp pressure.

Step 11:

Fine-tuning the RampUp chamber pressure:

The RampUp pressure is calculated by multiplying the main chamber pressure (determined in step 10) by the pressure ratio.

Below are the guideline pressure ratios for various common fork models and model years:

- Pike 2018–19: 1,5–1,8
- Pike 2020–22: 1,7–2,1
- Pike from 2023: 1,6–2,0
- Lyrik/Yari 2016–18: 1,7–2,1
- Lyrik/Yari 2019–20: 1,5–1,9
- Lyrik/Yari 2021–22: 1,6–2,1
- Lyrik/Yari from 2023: 1,5–1,9
- ZEB till 2022: 1,7–2,0
- ZEB from 2023: 1,6–1,9
- Boxxer from 2019: 1,7–2,2
- Fox 36 2018–22: 1,6–2,1
- Fox 36 from 2022: 1,5–2,1
- Fox 38 from 2020: 1,5–1,9



Beware:

These guideline values are not set in stone! Your riding style, bike geometry, and rear suspension kinematics all have a significant influence.

So take your shock pump with you — and hit the trail!
Start by adjusting only the RampUp pressure — this will help you find a good setup quickly.

Step 12:**Fine-tuning of damping:**

Depending on your terrain and riding style, you may need to run the compression slightly softer and the rebound slightly faster.

Step 13:

Important: Never ride without valve caps!

Therefore, as the second-to-last step: screw the valve caps onto the valves of your RampAir unit.

Step 14:

**And finally:
Have fun!**

This installation guide has been created with the utmost care. Due to ongoing product development, some of the functions and components described here may change. Any changes may be made without prior notice.

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