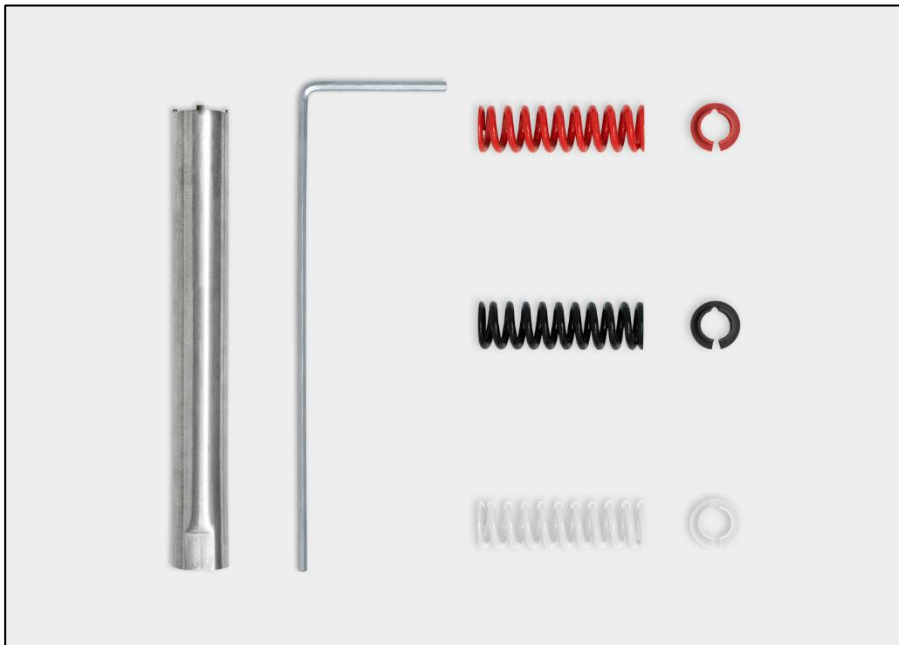




## STERRA HOW TO CHANGE CONFIGURATION

02-2023

**PARTS REQUIRED**



The kit contains springs, preload spacers and the tools

**Sterra – Tuning kit**

Code : HRS22KIT00011

OR

**Sterra – Tool kit**

Code : HRS23KIT00013

+

**Sterra – Spring kit**

Code : HRS23KIT00012

## TOOLS REQUIRED



### Tool list and materials:

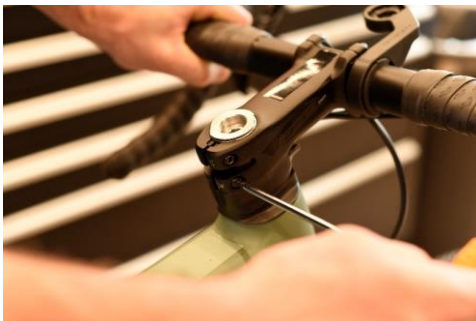
- 13 mm socket wrench
- 24 mm wrench
- 8 mm Allen key
- Pick
- 4 mm Allen key
- Grease

## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE



1. Remove the lock-out knob



2. Loosen the stem bolts



3. Remove the headset compressor using an 8mm Allen key



4. Remove the lock-out shaft



5. Release the expander using an 8 mm Allen key



6. Remove the expander by hand

## SPRING AND PRELOAD CONFIGURATION

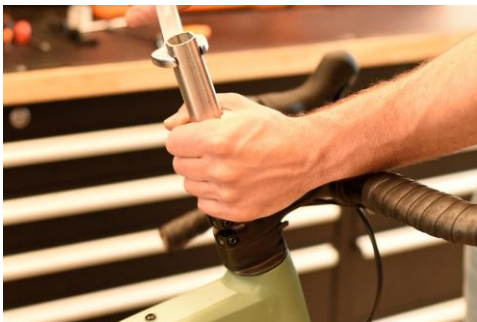
### STEP BY STEP PROCEDURE



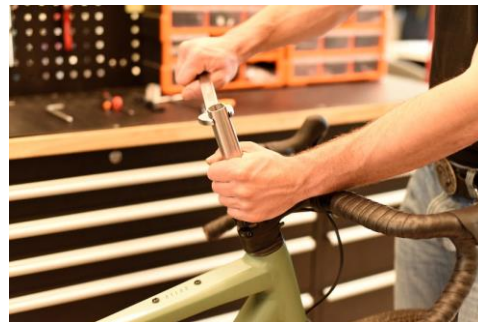
7. Add grease to the 13mm socket wrench so that the top cap nut will stick to the socket once loosened.



8. Unscrew the top nut in the steerer.



9. Insert the HiRide Custom Tool in the steerer and engage it with the top cap.



10. Unscrew the top cap inside the steerer using the 24mm wrench



11. The suspension will easily compress once the top cap has been loosened

## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE

12. Decouple the top cap from the piston shaft using the 4,5mm Allen key

#### IMPORTANT NOTES:

- The 4.5 mm Allen key must be turned CLOCKWISE to decouple the top cap.
- Hold the tool with the other hand to keep the tool aligned.



## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE



13. Pull out the top cap using a pick.



14. Remove the spring and preload spacer using a pick



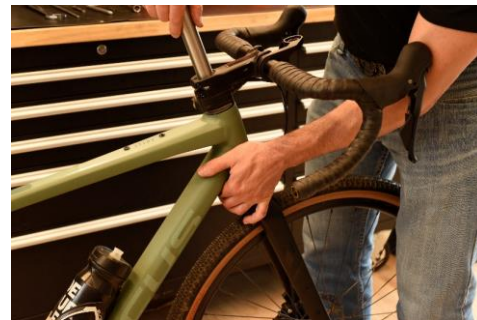
15. Select a new spring and preload (information provided in the last pages)



16. Make sure the preload spacer is downwards and the spring upwards



16. Insert the top cap in the steerer



17. Make sure the suspension is fully extended before tightening the top cap

## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE



17. Tighten the top cap to 25 Nm using the 24mm wrench while keeping the suspension extended



18. Make sure the suspension is fully extended at the end of the operation



## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE

19. Couple the top cap with the piston shaft using the 4.5mm Allen Key

#### IMPORTANT NOTES:

- The 4.5 mm Allen key must be turned COUNTER-CLOCKWISE to couple the top cap.
- Don't over-tighten. Stop as soon as you feel resistance.



## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE

20. Tighten the top nut using the 13mm socket wrench

#### IMPORTANT NOTES:

- Don't over-tighten. Stop as soon as you feel resistance.



## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE



21. Insert the expander in the steerer by hand



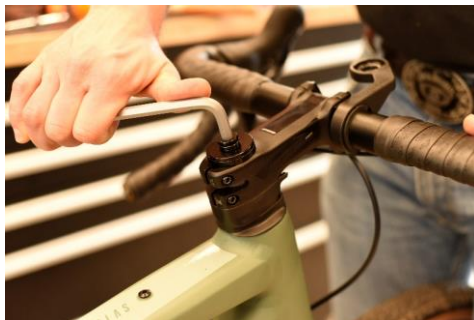
22. Using an 8 mm Allen key, tighten the expander at 15Nm



23. Insert the lockout shaft, be sure to engage the seat correctly



24. Put the required spacer on the top. Then, assemble the headset compressor



25. Grease the thread and tighten the compressor until clearance disappears ( max 10 Nm)



26. Tighten the stem screws according to the component's specs.

## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE

27. Align the knob wings with the lock-out shaft.

#### IMPORTANT NOTES:

- If the knob is not correctly aligned with the lock-out shaft, there is a risk of damage during insertion.
- Incorrect installation of the lock-out knob on the headset compressor may cause damage to the lock-out knob.



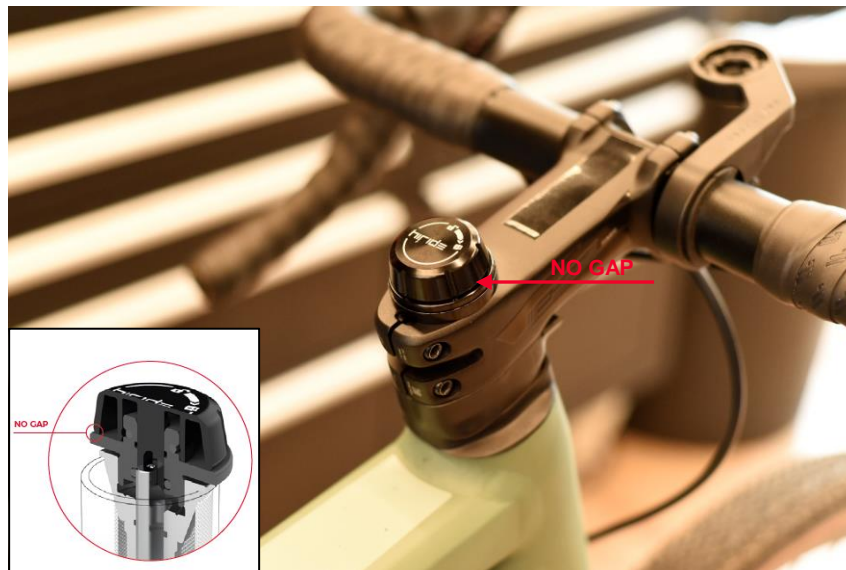
## SPRING AND PRELOAD CONFIGURATION

### STEP BY STEP PROCEDURE

28. Press the knob until no gap is present between the knob and the compressor.

#### IMPORTANT NOTES:

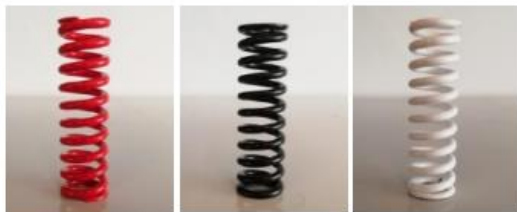
- If the knob is not correctly aligned with the lock-out shaft, there is a risk of damage during insertion.
- Incorrect installation of the lock-out knob on the headset compressor may cause damage to the lock-out knob.



**SETUP CUSTOMIZATION****Springs and preload spacers:**

The Sterra fork behavior can be customized with three different springs and three different preload spacers. In the next page some configurations are suggested based on weight and riding style.

	HARD	MEDIUM	SOFT
STIFFNESS	21.5 N/mm	16.5 N/mm	12 N/mm
COLOR	RED	BLACK	WHITE



	HIGH	MEDIUM	LOW
PRELOAD	6mm	3mm	1mm
COLOR	RED	BLACK	WHITE



## SETUP CUSTOMIZATION

		EASY GRAVEL	MIXED TERRAIN	ROUGH GRAVEL - TRAIL
RIDER WEIGHT <60 Kg	SPRING	Soft Spring WHITE - 12N/mm	Soft Spring WHITE - 12N/mm	Soft Spring WHITE - 12N/mm
	PRELOAD	No spacer	Low Spacer WHITE - 1 mm	Medium Spacer BLACK - 3 mm
RIDER WEIGHT 60 -70 Kg	SPRING	Soft Spring WHITE - 12N/mm	Soft Spring WHITE - 12N/mm	Medium Spring BLACK - 16,5 N/mm
	PRELOAD	Medium Spacer BLACK - 3 mm	High Spacer RED - 6 mm	Medium Spacer BLACK - 3 mm
RIDER WEIGHT 70 -80 Kg	SPRING	Soft Spring WHITE - 12N/mm	Medium Spring BLACK - 16,5 N/mm	Medium Spring BLACK - 16,5 N/mm
	PRELOAD	High Spacer RED - 6 mm	Medium Spacer BLACK - 3 mm	High Spacer RED - 6 mm
RIDER WEIGHT 80 -90 Kg	SPRING	Medium Spring BLACK - 16,5 N/mm	Medium Spring BLACK - 16,5 N/mm	Hard Spring RED - 21.5 N/mm
	PRELOAD	Medium Spacer BLACK - 3 mm	High Spacer RED - 6 mm	Medium Spacer BLACK - 3 mm
RIDER WEIGHT >90 Kg	SPRING	Hard Spring RED - 21.5 N/mm	Hard Spring RED - 21.5 N/mm	Hard Spring RED - 21.5 N/mm
	PRELOAD	Medium Spacer BLACK - 3 mm	High Spacer RED - 6 mm	High Spacer RED - 6 mm