

NOAH SL DISC AERO+

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Requirements

Components

Frame	1
Fork	2
Handlebar	3
Stem	4
Brake caliper L	5
Brake caliper R	6
Shifter cable for rear derailleur	7
Shifter cable for front derailleur	8
Brake cable for front brake	9
Brake cable for rear brake	10
Expander	11
Spacers	12
Headset	13
Foam tube	14

Tool

Metal saw/saw specifically for carbon fibre	15
Sandpaper	16
Saw guide	17
4 mm Allen key	18
Torque wrench	19
Cable cutter	20
Marker pen	21



Stage 1: Cutting the fork to length

Needed for next steps

- Fork
- Frame
- Stem
- Spacers (number according to bikefit)
- Headset
- Marker pen
- Sandpaper
- Tape
- Metal saw



Step 1: Assembling the headset

Assemble the lower part of the headset first. Do not forget to mount the fork washer. Then place the fork into the frame and mount the upper part of the headset. Keep the stem and spacers at hand in order to be able to secure the fork in time.

Step 2: Assembling the necessary spacers

Mount the necessary spacers before mounting the stem. Keep in mind that adding/removing a spacer after the mounting procedure has been completed can be hard work; however, if in doubt, it is advisable to mount spacer too many first.



! IMPORTANT! The overall height of the spacers mounted below the stem should be no more than 40 mm.



Step 3: Marking the correct length

Mount the supportive spacer and the remaining spacers on top of the stem. Surplus spacers mounted on top of the stem can easily be removed later. Therefore, if in doubt, mount additional spacers.

!!IMPORTANT! It is imperative to mount the supportive spacer first on top of the stem. At least one other 5 mm spacer should be placed on top of this supportive spacer.

Next, mark the exact height of the uppermost spacer on the fork.



Step 4: Cutting to length

Mark exactly 3 mm below the marking made in step 1.3. Then place the fork tube on a flat surface and cut the fork tube at 90°, preferably in a saw guide.

!!IMPORTANT! Use a sharp, fine-toothed saw to cut the fork tube.

Next sand the cutting edge carefully to remove any sharp edges. It is recommended to wear gloves for protection against carbon fibre splinters.





Stage 2: Assembling the handlebar

Needed for next steps

- Handlebar
- Stem
- Left shifter
- Right shifter
- Front brake cable
- Rear brake cable
- Rear gear cable
- Front gear cable
- 4 mm Allen key
- Tape



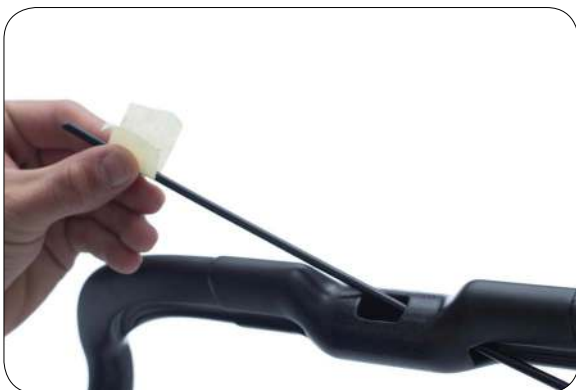
Step 5: Feeding the cables through the handlebar

Feed the brake cables and gear cables through the handlebar. Depending on the type of handlebar, it is advisable to feed a cable guide that is easy to mount through the handlebar. For instance, you can use the inner brake or gear cable for this. Mount the outer cables for the front and rear derailleurs first; these are the stiffest and therefore hardest to mount. Then feed the brake cables through the handlebar. Ensure the cables are long enough.



Step 6: Mounting the shifters on the handlebar

Mount the left and right shifters in the desired positions.



Step 7: Marking the rear brake and rear gear cables

Affix a piece of tape to the rear brake and rear gear cable so they are clearly marked.





Step 8: Fastening the cables

Mount the cables against the shifters to eliminate any slack. Then use tape to fasten the cables to the handlebar and ensure they stay in place while you perform the next steps.



Step 9: Feeding the cables through the stem

Gather the cable ends and feed them through the front end of the stem. Make sure that the cables leave the stem through the bottom of the stem clamp. Check that the markings on the cables are clearly visible.



Step 10: Assembling the stem

Secure the stem faceplate according to the torque specified for the stem. This is a temporary assembly; the handlebar angle can easily be changed afterwards.





Stage 3: Assembling the frame and the fork

Needed for next steps

- Frame
- Fork
- Handlebar assembly
- Headset
- Torque spanner
- Stand

Note: Assembly is easiest using a stand that secures the frame (not the fork).

Step 11: Assembling the headset

Mount the lower bearing and fork washer on the fork. Apply sufficient grease to the headset bearing cups in the frame, then mount the upper bearing and the thrust washer with the open end towards the rounded side of the fork tube and the headset top cover.



Step 12: Feeding the necessary spacers over the cables

Feed the same number of bearings you used in step 1.2 over the cables (i.e. the bearings below the stem).





Step 13: Feeding the cables through the frame and the fork

Feed the cables through the upper bearing, thrust washer and headset cover in the frame. Feed the rear brake cable, the front gear cable and the rear gear cable through the downtube. Slide approximately 40 cm of foam tube over each cable. Position the foam towards the middle of the downtube. Feed the front brake cable through the opening in the bottom of the fork tube and into the fork.





Step 14: Moving the handlebar towards the frame and mounting the fork

Move the handlebar as close as possible to the frame without completely sealing off the upper bearing. Then move the fork through the bottom bearing up towards the upper bearing. Mount all headset parts on the fork before sliding the stem onto the fork.

!IMPORTANT! Make sure the flat side of the fork is facing forwards. Make sure the cables are fed between the headset components and the flat side of the fork. The brake cables should be in the middle during the mounting procedure; the gear cables should be on the outside of the cable harness. Make sure that 1 brake cable and 1 gear cable enter the frame on the left side of the fork; the remaining gear cable should enter the frame on the right side of the fork.

!TIP! It is highly recommended to ask another person for help with this step.





Step 15: Assembling the remaining components

Mount the supportive spacer and the remaining spacer on top of the stem.

!!IMPORTANT! Always mount the supportive spacers first, directly on top of the stem

Next mount the expander and use a torque spanner to tighten it to 7 Nm.



*this spacer is a sample. Spacer in delivery will be black





Step 16: Securing the stem and the top cap

Mount the top cap and secure it to eliminate any slack on the fork bearings. Finally, secure the stem according to the torque values specified on the stem.

