# Assembly Guide

ROAD & GRAVEL

# INTRODUCTION

**THIS BRIEF ASSEMBLY GUIDE CONTAINS IMPORTANT INFORMATION.
PLEASE READ CAREFULLY AND STORE IN A SAFE PLACE.**

This Assembly Guide shows you how to build your bicycle from out of the box. The directions covered in this guide are general guidelines and apply to all Specialized drop bar (Road/Gravel) bicycles. If you're unsure of the correct setup of your bicycle, contact Specialized Rider Care or visit an Authorised Specialized Retailer.

This document is not intended as a use, service, repair, or maintenance guide. Please visit an Authorised Specialized Retailer for all service, repairs, or maintenance.

Some bicycles come with a specific User Manual. This assembly guide is not a replacement for your bicycle's User Manual. The user manual contains important safety, performance, and technical information specific to your bicycle, which you should read and keep for reference.

You should also read the entire Specialized Bicycle Owner's Manual ("Owner's Manual") as it has additional important, general information and instructions you should follow. If you don't have a copy of the Owner's Manual, you can download it at www.specialized.com or obtain it from Specialized Rider Care or your nearest Authorised Specialized Retailer.

Additional safety, performance, and service information for specific components such as suspension or pedals on your bicycle or accessories such as helmets or lights, may also be available. In case of a conflict between the information in this assembly guide and information provided by a component manufacturer's manuals, please contact Specialized Rider Care or an Authorised Specialized Retailer.

Please note all instructions and notices are subject to changes and updates without notice.

Please visit www.specialized.com for periodic tech updates.

# SYMBOLS

When reading this assembly guide, you will note various important symbols and warnings, which are explained below:

| | |
|---|---|
|  | **WARNING!** The combination of this symbol and word indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death. Many of the Warnings say "you may lose control and fall." Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death. |
|  | **CAUTION:** The combination of the safety alert symbol and the word CAUTION indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury, or is an alert against unsafe practices. |
| | The word **CAUTION** used without the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the bicycle or the voiding of your warranty. |
|  | This symbol alerts the reader to information that is particularly important. |
|  | This symbol means that high-quality grease should be applied as illustrated. |
|  | This symbol means that carbon friction paste should be applied as illustrated to increase friction. |
|  | Tech tips are helpful tips and tricks regarding installation and use. |
|  | Refer to the Owner's Manual supplied with your bicycle for more specific information. |
|  | Where applicable, refer to the User Manual supplied with your bicycle for more specific information. |

This assembly guide was drafted in the English language and may have been translated into other languages as applicable.

ADDITIONAL LANGUAGES ARE AVAILABLE FOR DOWNLOAD AT www.specialized.com.

## ASSEMBLY

| | |
|---|---|
| ⚠ | **WARNING: IN THE INTERESTS OF SAFETY IT IS RECOMMENDED THAT YOU HAVE THIS BICYCLE ASSEMBLED BY A SKILLED BICYCLE MECHANIC.** |

## BIKE INSPECTION

When removing all the parts from the packaging, ensure nothing was damaged during shipping. Call Specialized Rider Care if you notice any damage.

## TORQUE SPECIFICATIONS

- The torque specifications for the bicycle build can be found in the user manual supplied with the bicycle (where applicable) or printed on the part near the bolt you are torquing.
- General torque specifications may also be found in the Owner's Manual.

| | |
|---|---|
| ⚠ | **WARNING:** Correct tightening force on fasteners (nuts, bolts, screws) on your bicycle is important for your safety. If too little force is applied, the fastener may not hold securely. If too much force is applied, the fastener can strip threads, stretch, deform or break.<br><br>An incorrect tightening force can result in component failure, which can cause you to lose control and fall. Where indicated, ensure each bolt is torqued to specification. After your first ride, and consistently thereafter, recheck the tightness of each bolt to ensure secure attachment of the components. |

## PACKAGING

Please keep all your packaging as you can reuse it to transport your bicycle.

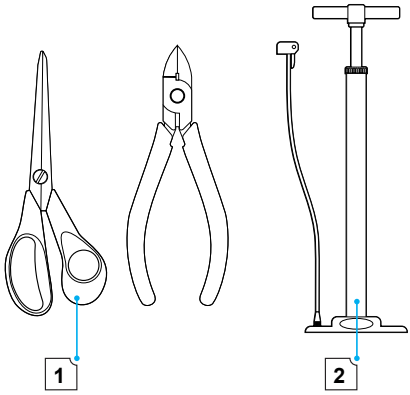
| | |
|---|---|
| ♻ | **RECYCLE:** Please follow your local recycling guidelines to dispose of the packaging responsibly. |

# WIRELESS COMPONENTS

- Bicycles equipped with wireless components must be charged before use. Please see the component manufacturer's user manual for more information.
- When shipping the bicycle, ensure the component batteries are below 30% charge level.

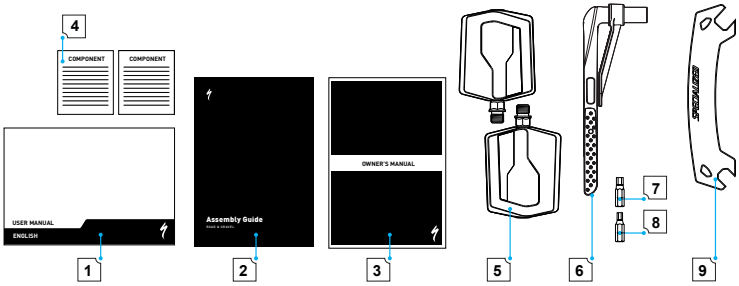
# REQUIRED TOOLS

1. Scissors or cable tie cutters
2. Bicycle floor pump (with gauge)




# WHAT'S IN THE SMALL PARTS BOX

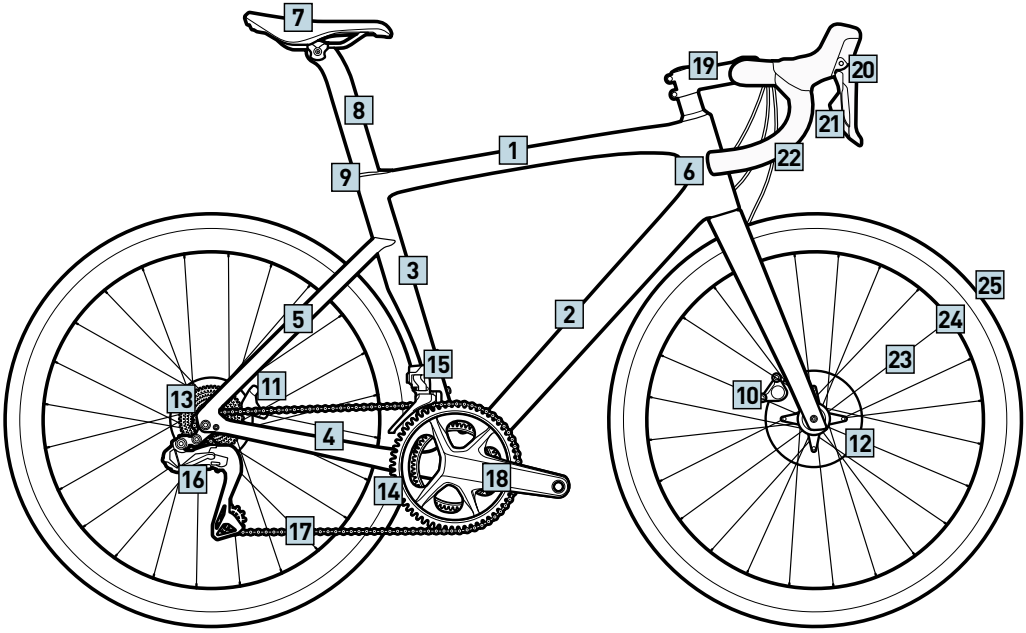
1. User Manual (where applicable)
2. Assembly guide
3. Owner's Manual
4. Component manuals
5. Pedals (optional)
6. Torque wrench (1 - 10 Nm)
7. 5 mm hex key/bit
8. 4 mm hex key/bit
9. Flat wrench



# LET'S BUILD THIS SWEET RIDE!

Assembly Instructions

# GET TO KNOW YOUR BIKE




## ROAD & GRAVEL BIKES

1. Top tube
2. Downtube
3. Seat tube
4. Chainstay
5. Seatstay
6. Headtube
7. Saddle
8. Seatpost
9. Seatpost clamp
10. Front brake
11. Rear brake
12. Disc brake rotor
13. Cassette
14. Chainring
15. Front Derailleur
16. Rear Derailleur
17. Chain
18. Crankset
19. Stem
20. Brake Lever
21. Shifter
22. Handlebar
23. Spoke
24. Rim
25. Tyre

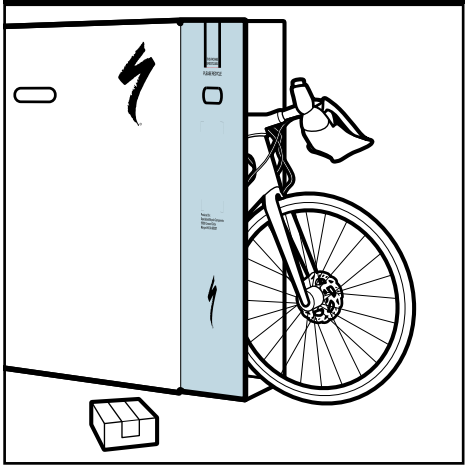
# LET'S GET STARTED

## Let's Build This Sweet Ride!

Assembly Instructions

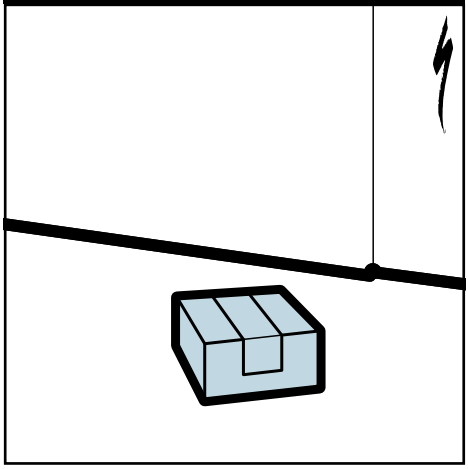
| | |
|---|---|
| | **The assembly of this bicycle is best completed with the help of another person.** |
| | **CAUTION:** The inner packaging is not suitable for use as a bicycle stand. Place the bicycle into a bicycle stand or lean it against a stable surface to support the bicycle during assembly. |

## STEP 1



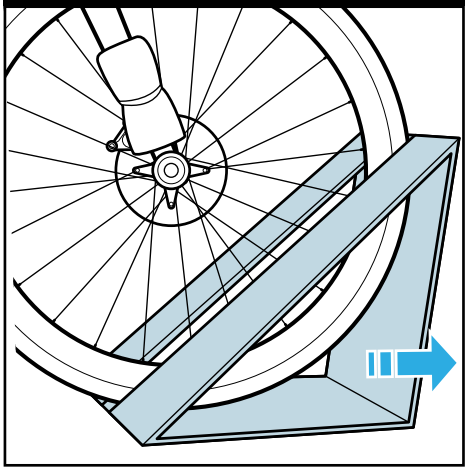
Remove any tape from the marked side of the box then open the box.

## STEP 2



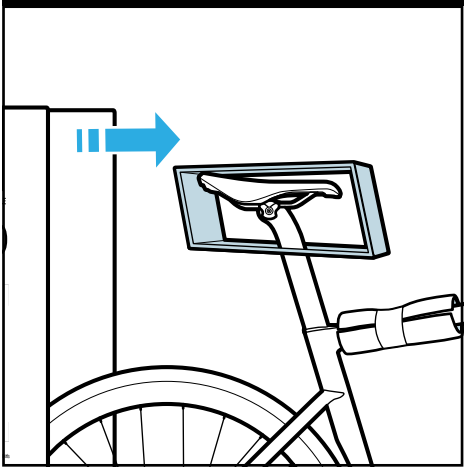
Locate and remove the small parts box, then remove all the parts supplied to assemble your bicycle.

## STEP 3



Remove the front wheel brace from the box and set it aside.

## STEP 4



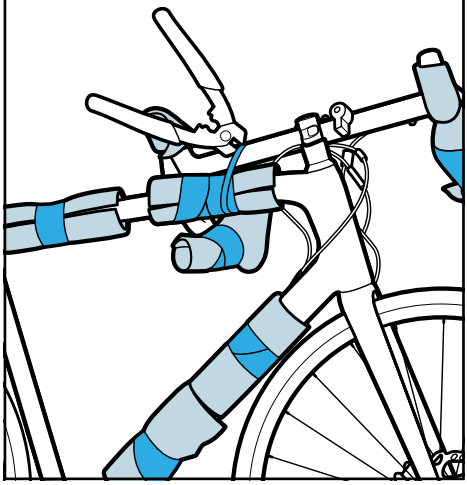
Roll the bicycle out of the box and remove the seatpost brace.

# ADJUSTING THE HANDLEBARS

## STANDARD BIKE

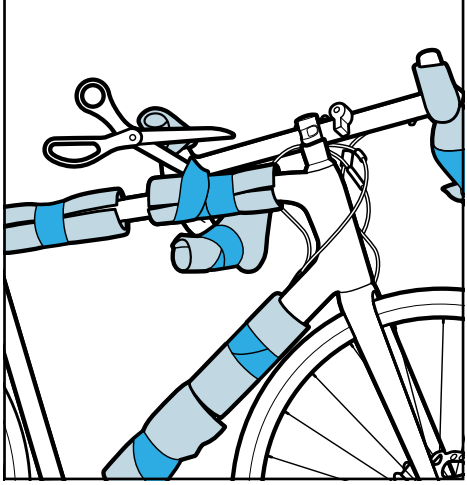
| | |
|---|---|
| ⓘ | **The assembly process for the Tarmac SL7 varies from other bikes. Follow the instruction for the bicycle where indicated.** |
| ⓘ | **The handlebar on the bicycle is rotated to ensure a secure fit in the box.** |
| ! | **CAUTION:** Be careful not to damage the bicycle when removing zip ties. |

## STEP 5



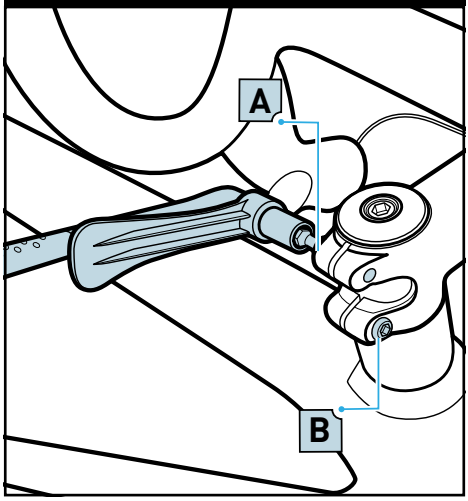
Remove the zip ties or rags securing the handlebar to the top tube.

## STEP 6



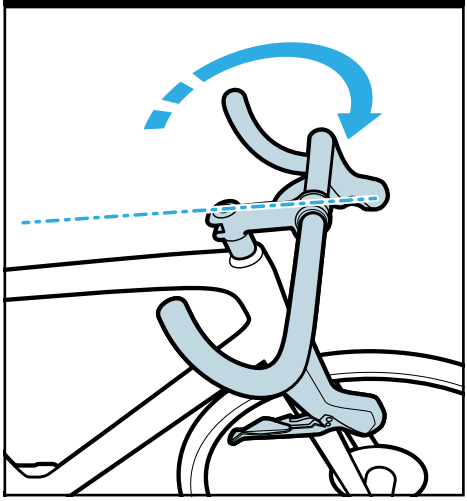
Remove the zip ties or rags and protective packaging from the rest of the frame.

## STEP 7



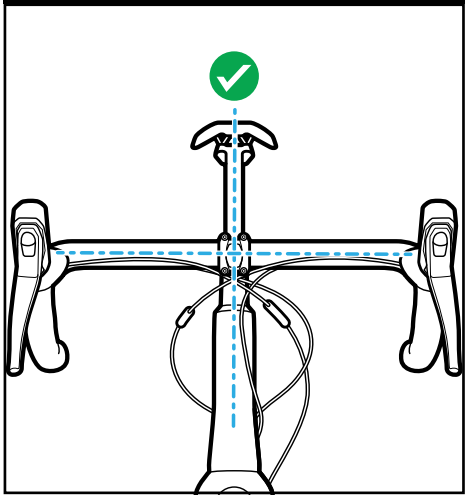

Using the torque wrench and corresponding hex bit, loosen (counter-clockwise) the two bolts (A-B) on rear of the stem until the stem is loose enough to turn.

## STEP 8



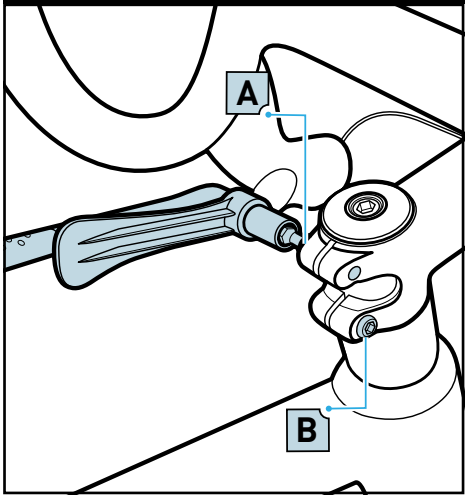
Brace the wheel between your knees and rotate the handlebar into alignment.

## STEP 9



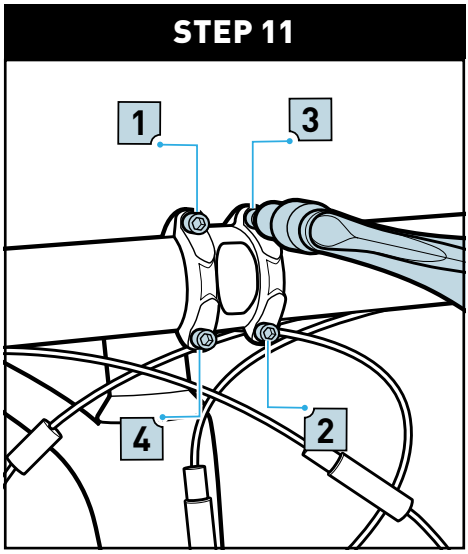
Align the handlebar with the center of the bicycle.

## STEP 10



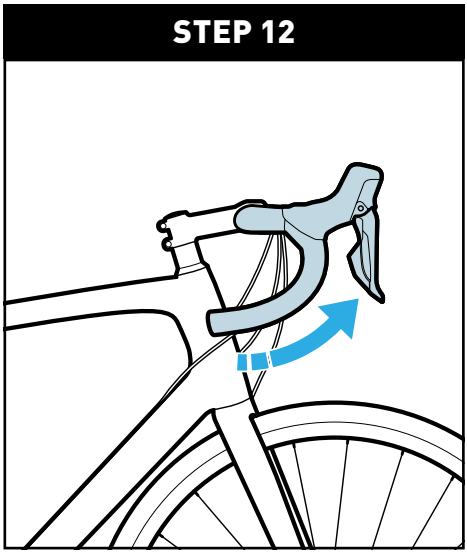

Using the torque wrench and corresponding hex bit, torque (clockwise) the two bolts (A-B) on rear of the stem to specification.

## STEP 11



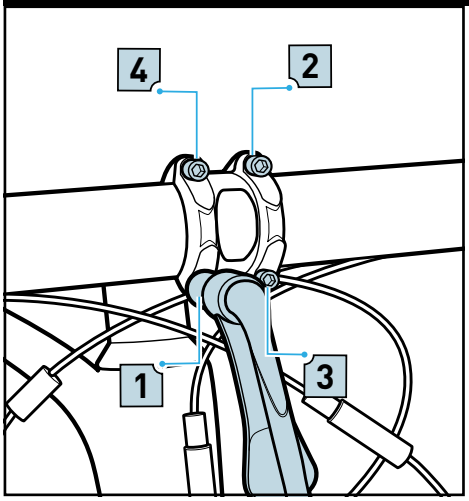

Using a wrench and corresponding hex bit, loosen (counter-clockwise) the four bolts on the stem faceplate until the handlebar is loose enough to turn.

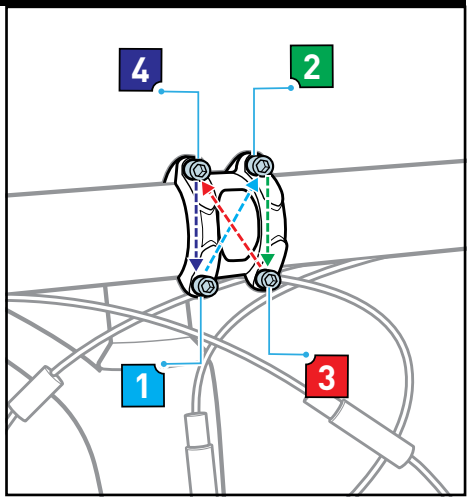
## STEP 12



Rotate the handlebar to the desired position making sure it is centered.

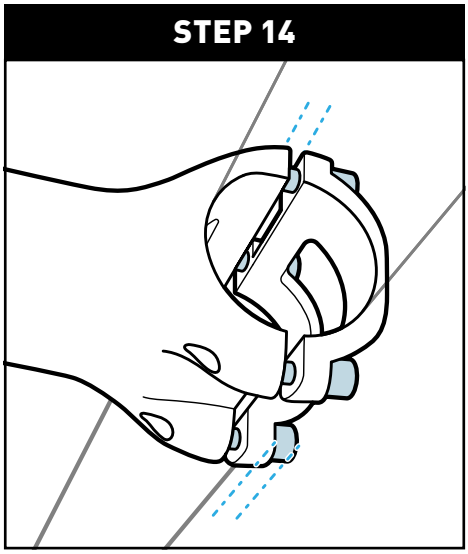
## STEP 13




Using a torque (clockwise) wrench and corresponding hex bit, torque each faceplate bolt approximately 1/2 turn at a time in an alternating (cross) pattern until all the bolts are torqued to specification.

## STEP 14



The gap between the stem and faceplate should be even on the top and the bottom.

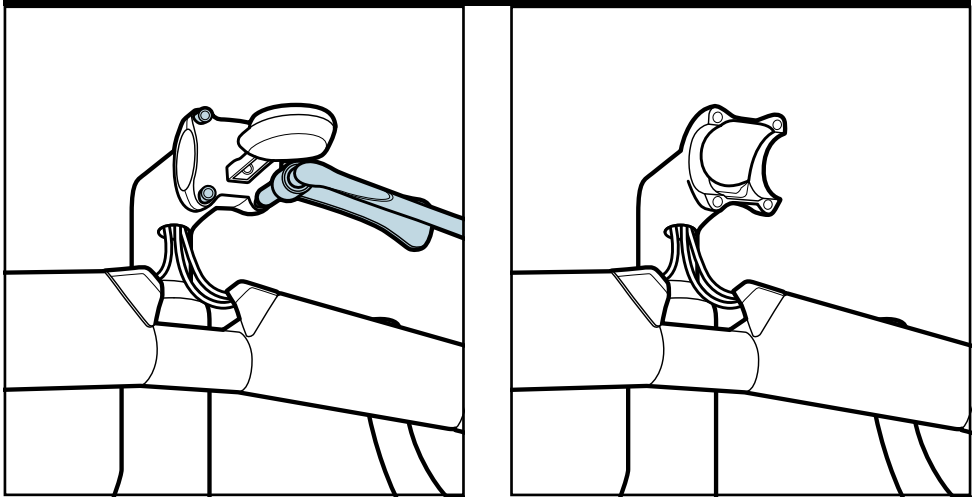
# ADJUSTING THE HANDLEBARS

## TARMAC SL7 (NO GAP STEM)

| | |
|---|---|
| ⚠ | **WARNING!** The stem is designed without a gap between the stem body and the faceplate at the upper bolt area. The upper bolts must be tightened so the faceplate is flush against the stem body before being torqued. Failure to do this can result in structural damage to the handlebar. |

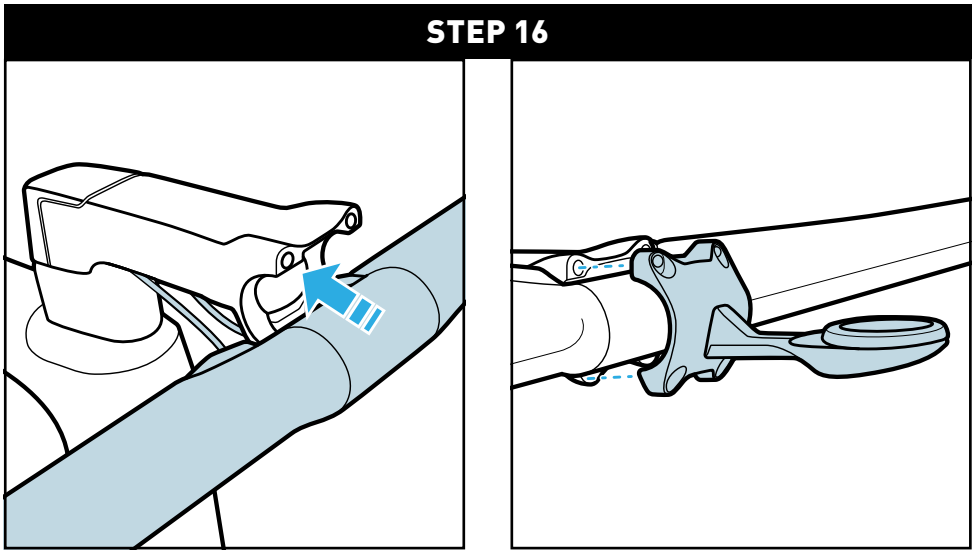
| | |
|---|---|
| ⓘ | **Not all Tarmac models are equipped with the Specialized accessory mount.** |

## STEP 15



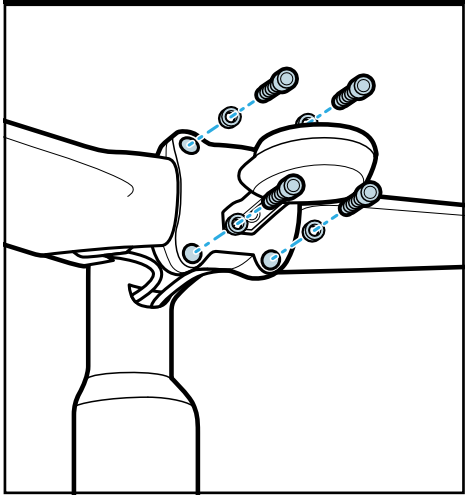
Using the corresponding hex key, loosen (counter-clockwise) and remove the four bolts on the stem faceplate, then remove the stem faceplate from the stem.

## STEP 16



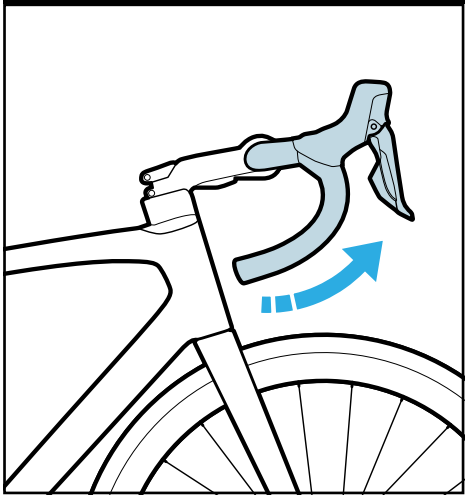
Place the handlebar against the stem, then place the stem faceplate over the handlebar with the stem faceplate and stem holes aligned.

## STEP 17



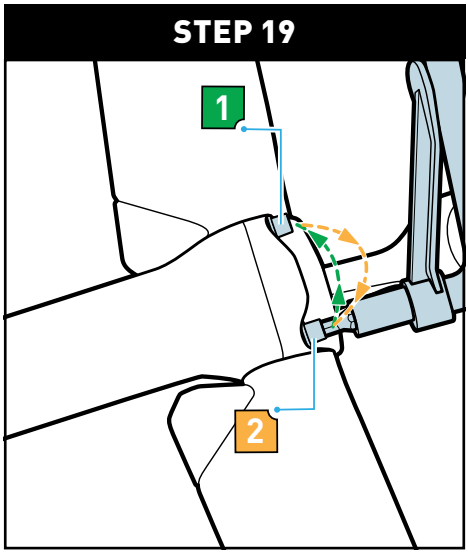
Add a washer to each bolt, then starting with the upper bolts, thread the bolts through the stem faceplate into the stem body making sure they are equally finger-tightened.

## STEP 18



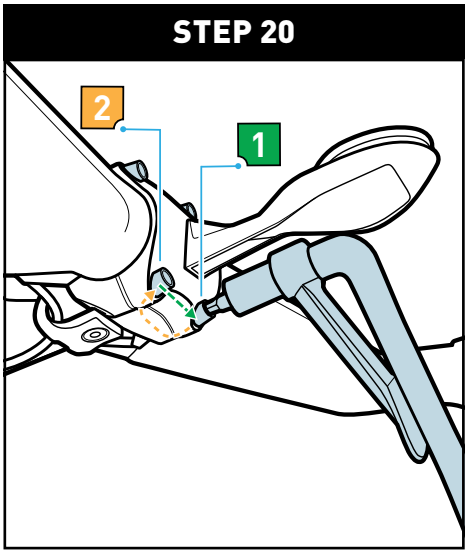
Adjust the handlebar to the desired position making sure it is centered.

## STEP 19



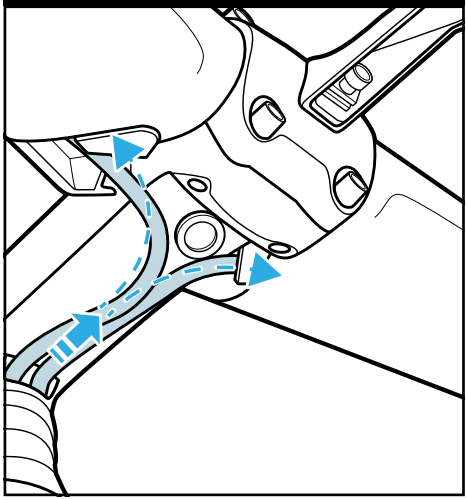

Using a torque wrench and the corresponding hex bit, gradually torque the upper bolts alternating from the left to the right to evenly increase the torque until the specification is reached.

## STEP 20



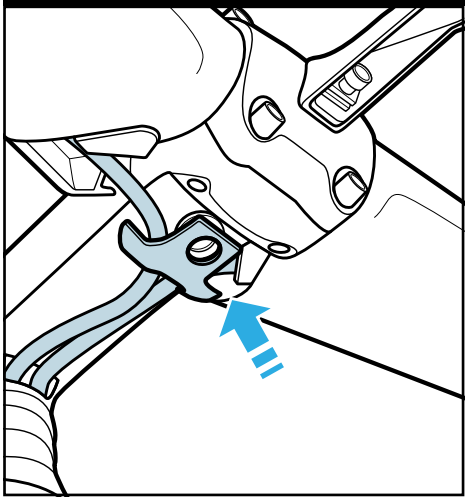

Using a torque wrench and the corresponding hex bit, gradually torque the lower bolts alternating from the left to the right to evenly increase the torque until the specification is reached.

## STEP 21



Insert the cable bat bolt into the stem cable bat. Push the cables towards the front of the bike, then locate the cable bat bolt into the hole on the underside of the stem.

## STEP 22



Using the torque wrench and corresponding hex bit, tighten the cable bat bolt to specification.

| | |
|---|---|
| | **Should you have any problems installing the cable bat, please contact Specialized Rider Care or visit an Authorised Specialized Retailer.** |

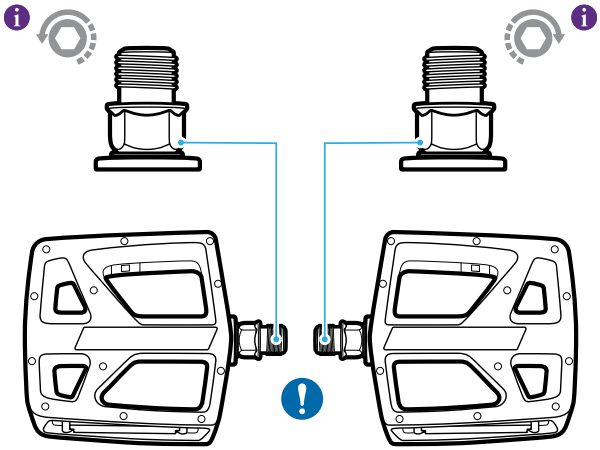
# INSTALL THE PEDALS

**Depending on the type, pedals are installed using either a 15 mm flat wrench or a 6 mm hex key.**

| | |
|---|---|
| | **CAUTION:** Make sure to install the pedals correctly. The left and right pedals have opposite threads and can damage the cranks if installed on the wrong side. |

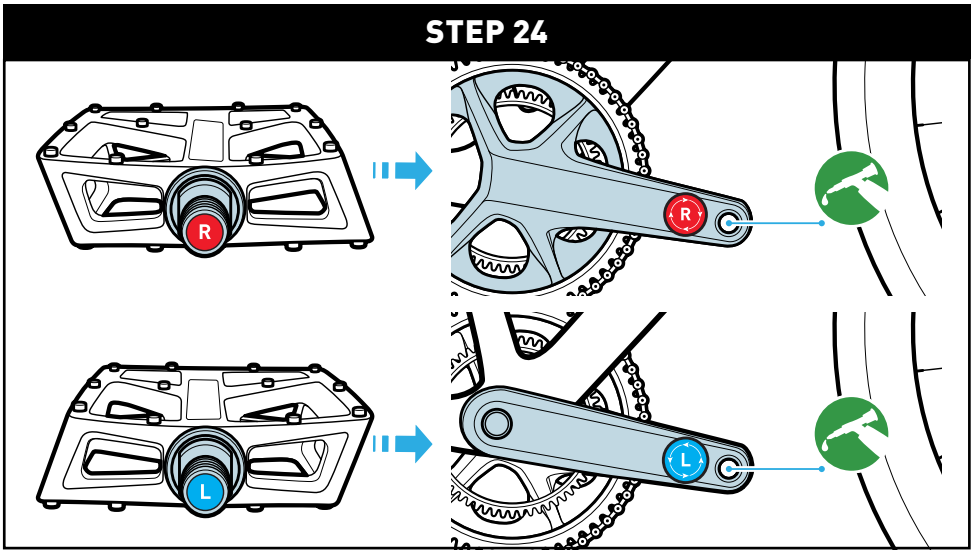
| | |
|---|---|
|  | **When tightening, both pedal threads rotate forward toward the front of the bicycle.** |

## STEP 23



Remove the pedals from their packaging and locate the left “L” pedal (blue sticker) and right “R” pedal (red sticker).

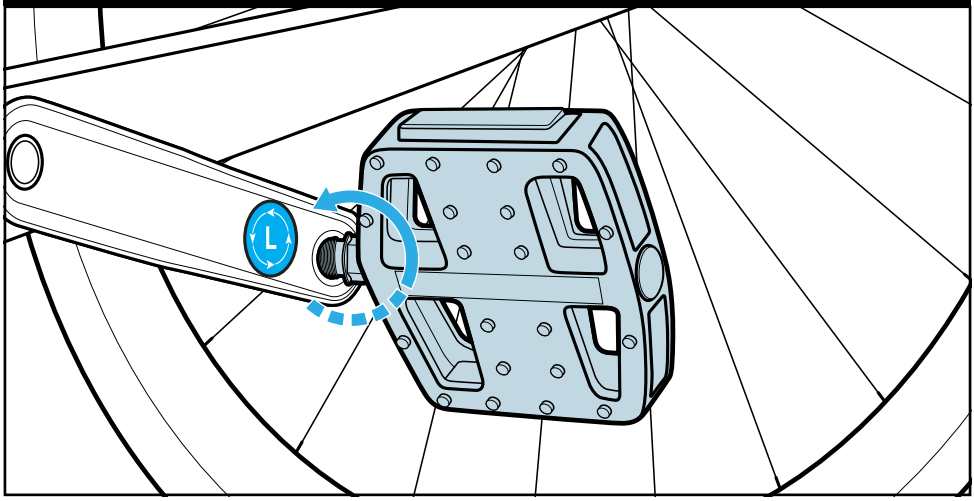
## STEP 24




The pedals stickers correspond to the blue and red stickers on the left and right cranks.

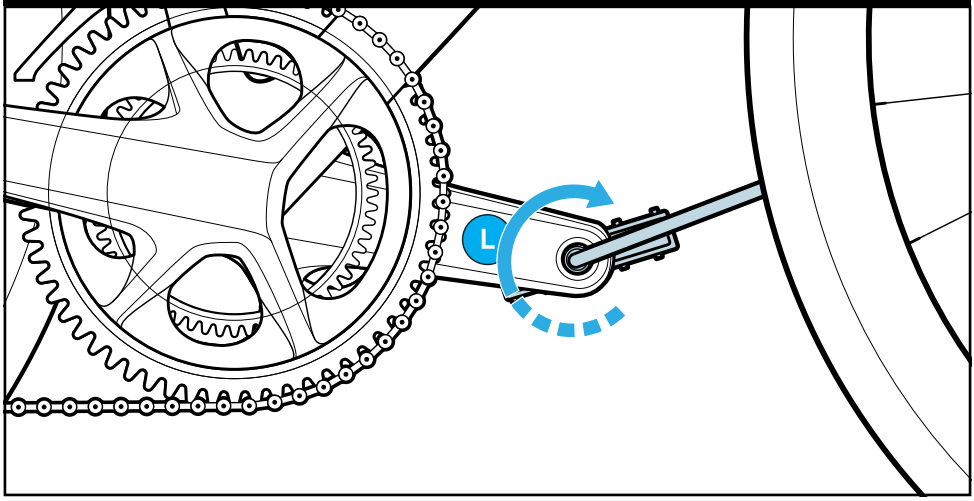
| | |
|---|---|
| | **The crank threads are pre-greased.** |

## STEP 25



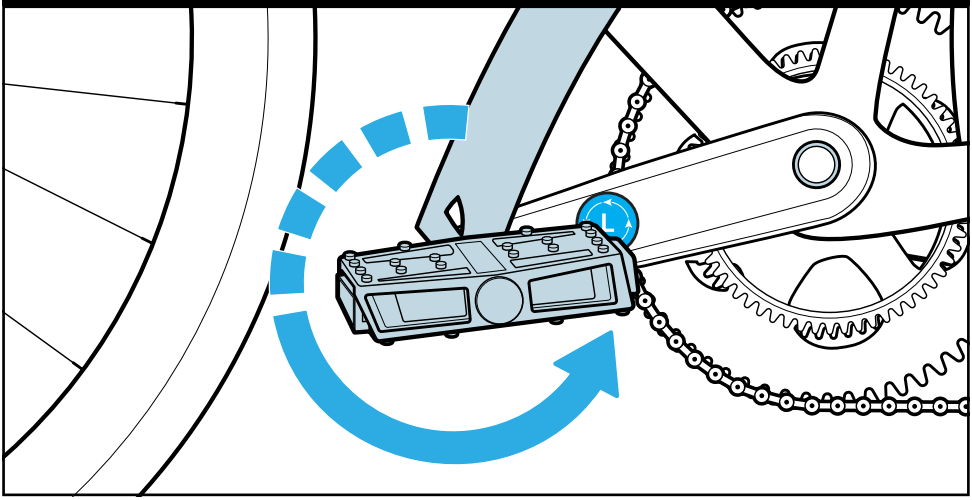

Insert the “L” pedal into the left (non-drive side) crank arm.

## STEP 26 (FOR HEX KEY PEDALS)




Using the corresponding hex key inserted from the inside of the crank arm, tighten the pedal in place (counter-clockwise rotation). When at the correct tension, the tool leaves a noticeable impression in the palm of your hand.

## STEP 27 (FOR FLAT WRENCH PEDALS)




Using the flat wrench, tighten the pedal in place (counter-clockwise rotation). When at the correct tension, the tool leaves a noticeable impression in the palm of your hand.

| | |
|---|---|
| i | **Repeat these steps for the right "R" pedal on the right crank arm (drive side, tighten in clockwise rotation).** |

# SEATPOST MINIMUM INSERTION

**To prevent damage to the frame and/or seatpost, it's important to have a minimum amount of seatpost insertion in the seat tube. This minimum insertion must meet the following requirements:**

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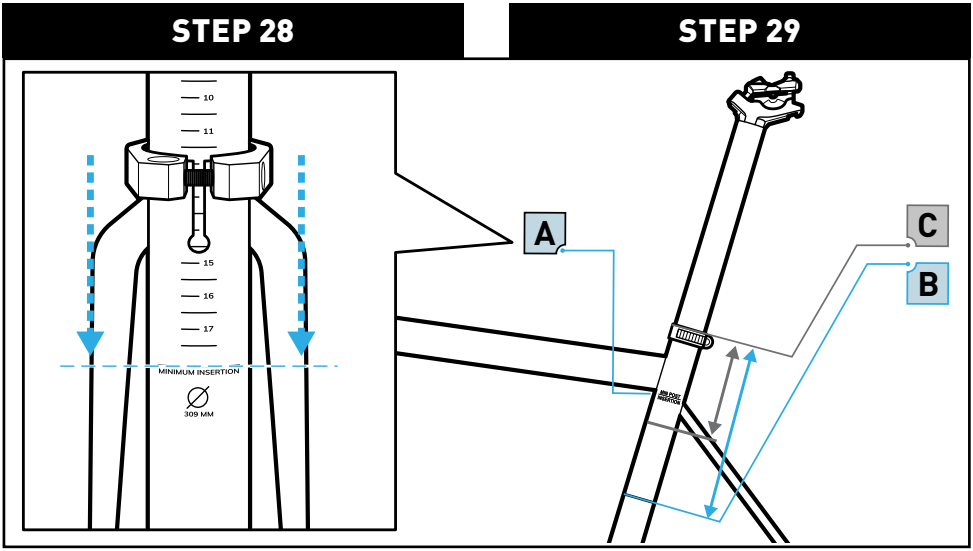
|---|---|
|  | Refer to the User Manual supplied with your bicycle (where applicable) for more specific information on the seatpost maximum and minimum insertion depths. |

| | |
|---|---|
|  | **WARNING!** Failure to follow the outlined seatpost insertion requirements may result in damage to the frame and/or seatpost, which could cause you to lose control and fall. |

## STEP 28

## STEP 29




The seatpost must be inserted into the frame deep enough so the minimum insertion/maximum extension (min/max) mark, where applicable, on the seatpost is not visible **(A)**.

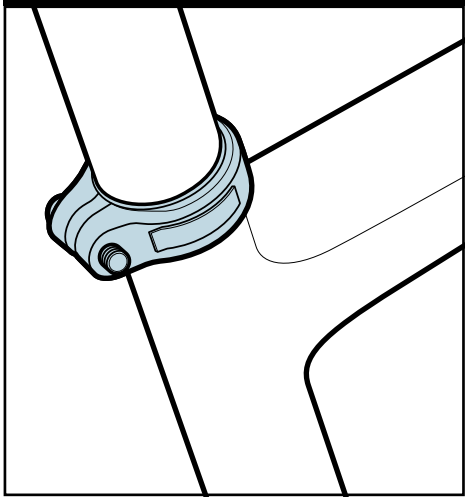
The seatpost must also be inserted into the seat tube deep enough to meet or exceed **(B)** the minimum measured insertion depth required by the frame **(C)**.

# ADJUST THE SEATPOST HEIGHT

Determine which type of seatpost you have: seatpost collar **(A)** or seatpost wedge **(B)**. Follow the instructions for that type.

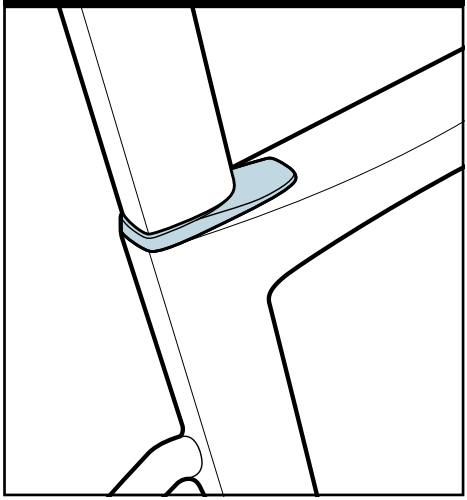
| | |
|---|---|
| | **Refer to the Owner's Manual for more information on setting up your saddle height.** |

## A: SEATPOST COLLAR



INSTRUCTIONAL STEPS 30-32

## B: SEATPOST WEDGE



INSTRUCTIONAL STEPS 33-37

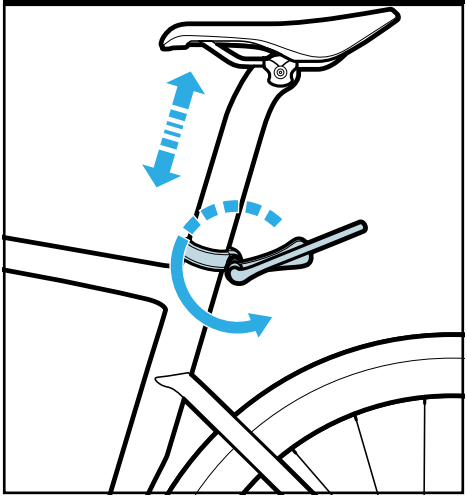
# ADJUST THE SEATPOST HEIGHT

## SEATPOST COLLAR

| | |
|---|---|
| | **Refer to the Owner's Manual for more information on setting up your saddle height.** |

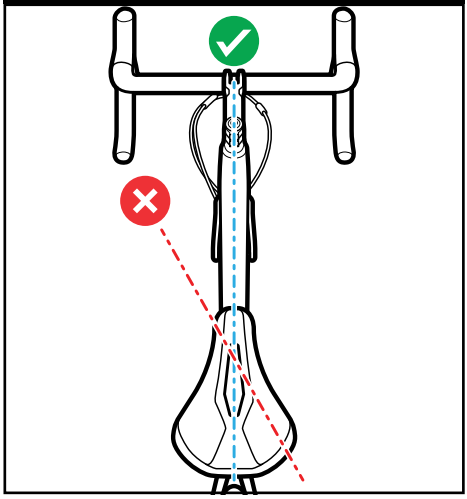
| | |
|---|---|
| | **Shimano Di2:** If the battery is located in the seatpost, follow the connection instructions shown in the bicycle's user manual (where applicable). |

## STEP 30



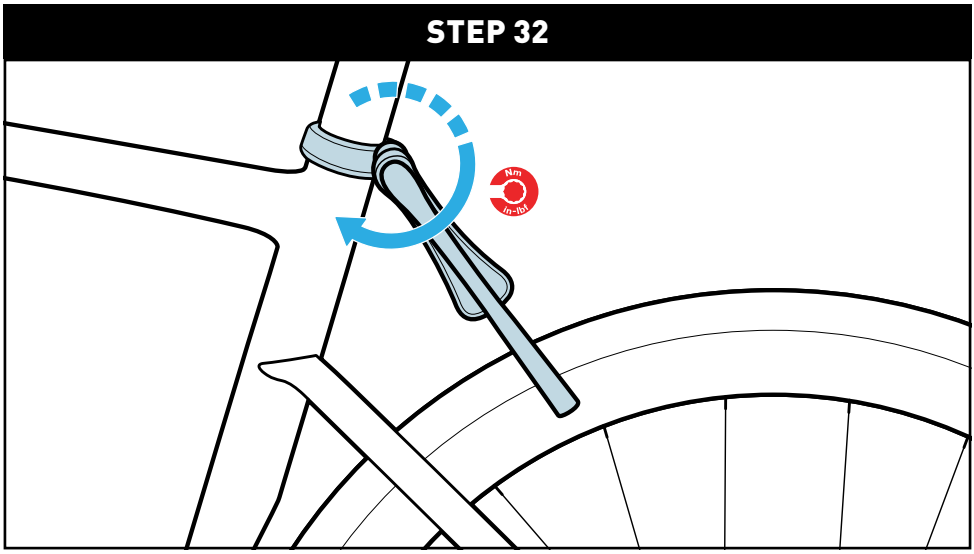
Using the torque wrench and corresponding hex bit, loosen (counter-clockwise) the two bolts (A-B) on rear of the stem until the stem is loose enough to turn.

## STEP 31



Align the saddle with the centerline of the bicycle.

## STEP 32



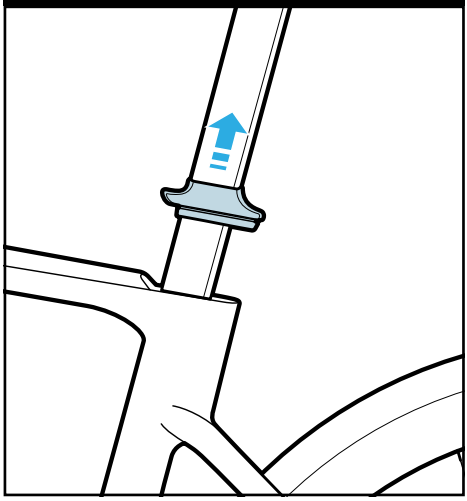

Using the torque wrench and corresponding hex bit, torque the seatpost collar bolt to the specified torque setting found on the seatpost collar and/or in the user manual (where applicable).

# ADJUST THE SEATPOST HEIGHT

## SEATPOST WEDGE

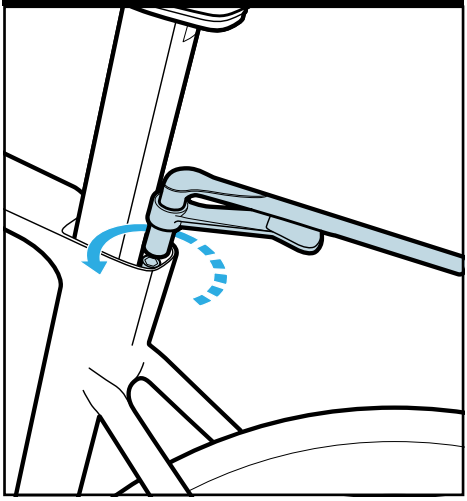
| | |
|---|---|
| | **Refer to the Owner's Manual for more information on setting up your saddle height.** |
| | **Front and rear seat wedges are adjusted the same way.** |
| | **Shimano Di2:** If the battery is located in the seatpost, follow the connection instructions shown in the bicycle's user manual (where applicable). |

## STEP 33



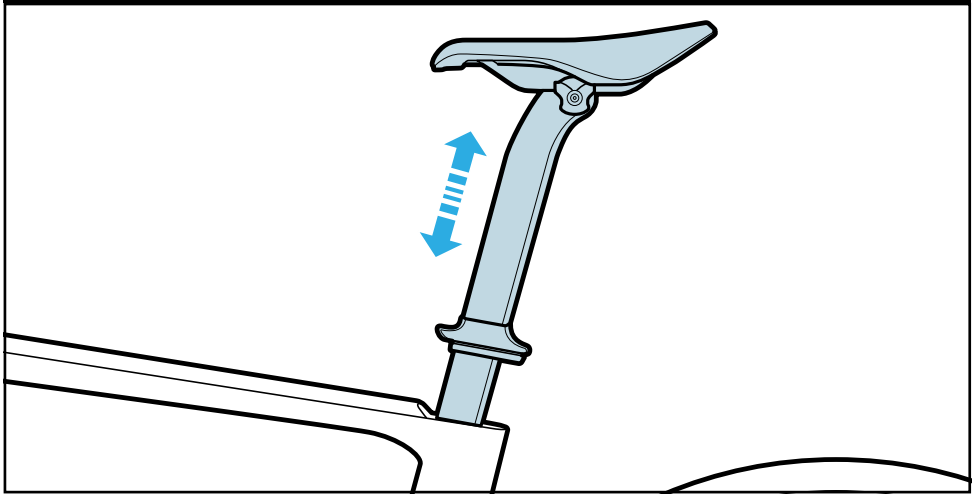
Slide the wedge cover up the seatpost.

## STEP 34



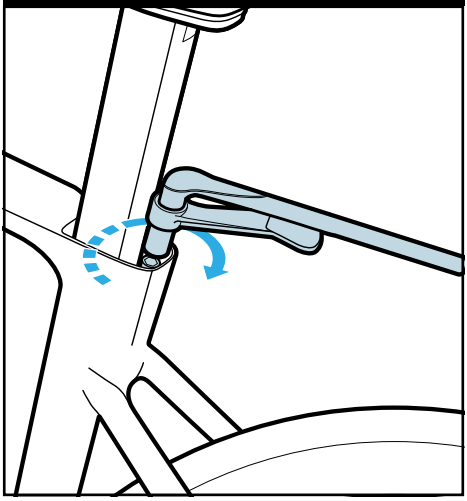
Using the wrench and corresponding hex bit, loosen the seatpost wedge bolt.

## STEP 35



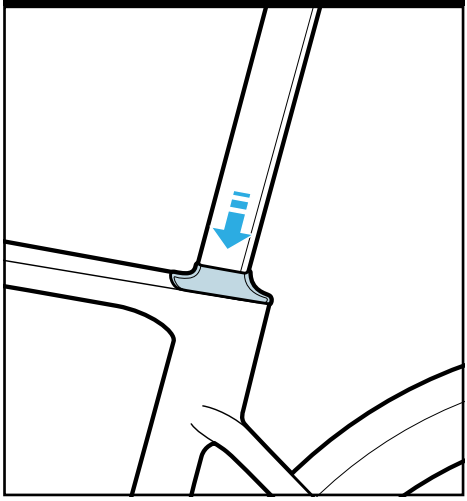
Adjust the seatpost to the desired height.

## STEP 36



Once the seatpost height is set, use the torque wrench and corresponding hex bit to torque the wedge bolt to the specified torque setting found on the wedge and/or in the user manual (where applicable).

## STEP 37



Slide the cover back down over the wedge.

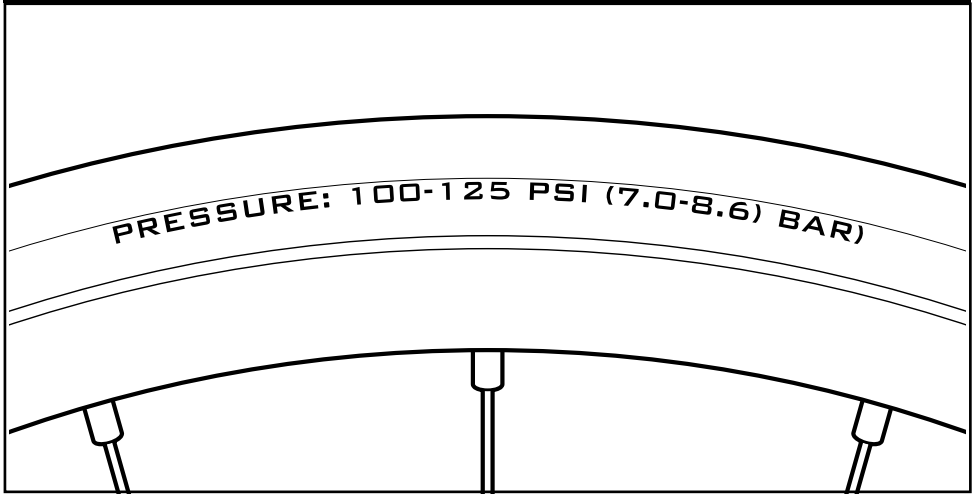
# PUMPING THE TYRES

**The tyres must be inflated and periodically checked and re-inflated using a pump with an accurate pressure gauge.**

| | |
|---|---|
|  | **Please refer to the Tyres and Tubes section of the Specialized Bicycle Owner's Manual for additional information.** |

| | |
|---|---|
|  | **WARNING!** Never inflate a tyre beyond the maximum pressure marked on the tyre's sidewall or the maximum pressure limit specified by the wheel manufacturer, whichever is lower. Failure to follow this warning may cause the tyre to blow off the rim and may result in serious personal injury. |

## STEP 38




Pump the tyres up to your desired pressure. Refer to the tyre's sidewall for the pressure range. Check your wheel manual or decal on the rim itself to see if your wheels have a maximum pressure limit. Do not exceed it.

# SAFETY CHECK

| | |
|---|---|
| ⚠ | **WARNING!** Before the first ride and routinely thereafter before each ride, perform the below safety check as well as any additional safety checks outlined in the Owner's Manual, to ensure the bicycle is safe to ride. Failure to follow this warning can result in serious personal injury. |

**1. NUTS, BOLTS, SCREWS AND OTHER FASTENERS:** Ensure the seatpost, stem, and handlebar are properly tightened. You can check the tightness of the handlebar, stem, and seatpost by securing the bicycle between your legs and trying to twist, push, and pull the handlebar and saddle. The handlebar and saddle should not move. If any components move, realign the part, increase the bolt tension, and try again. Repeat as necessary until there is no movement. Periodically check all the bolts on the bicycle to ensure they are torqued to specification using a torque wrench.

**2. SEATPOST:** Ensure the saddle height is appropriate. Adjust as necessary.

**3. TYRES AND WHEELS:** Ensure the wheels spin freely and do not wobble. The wheels should be centered in the frame and fork. If the wheels wobble and are not centered, please contact Rider Care or visit an Authorised Specialized Retailer.

**4. TYRE PRESSURE:** The tyres must be inflated and periodically checked and re-inflated using a pump with an accurate gauge. Please refer to the Tyres and Tubes section of the Specialized Bicycle Owner's Manual supplied with your bicycle for additional information.

**5. BRAKES:** The brakes are pre-adjusted and aligned out of the box. If the brake pads or arms are misaligned, please contact Rider Care or visit an Authorised Specialized Retailer. Check the brake pads periodically for wear. Brake pads should be replaced once they wear down to the wear line. If the brake pads need to be replaced, but you do not have experience replacing brake pads, please visit an Authorised Specialized Retailer. Test the brakes by lifting one end of the bicycle at a time, spinning each wheel, and squeezing the brake lever. If the brakes are not working correctly, please contact Rider Care or visit an Authorised Specialized Retailer.

**Regularly inspect the bicycle to ensure there is no damage to any of the components. Replace any worn or damaged components or have them replaced by an Authorised Specialized Retailer.**