

# **ASSEMBLY GUIDE**

## **TURBO ACTIVE**



## 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 Turbo Active 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.

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](http://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](http://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:

	<b>WARNING!</b> The combination of this symbol and word indicates a potentially hazardous situation that, 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.
	<b>CAUTION:</b> The combination of the safety alert symbol and the word CAUTION indicates a potentially hazardous situation, that, 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 that, 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 assembly 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.
	Refer to the User Manual supplied with your bicycle for more specific information.

This manual was drafted in the English language (Original instructions) and may have been translated into other languages as applicable (translation of Original instructions).

ADDITIONAL LANGUAGES ARE AVAILABLE FOR DOWNLOAD AT [www.specialized.com](http://www.specialized.com).

## ASSEMBLY

 **WARNING!** Proper assembly requires basic mechanical skills and a set of high-quality tools such as a torque wrench. If you are unsure about the proper setup of your bicycle, it should be assembled by an Authorised Specialized Retailer.

## 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

- Torque specifications can be found in the user manual supplied with the bicycle 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.

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.

## WIRELESS COMPONENTS

- Bicycles equipped with wireless components must be charged before use. Please see the component manufacturer's user manual for more information.

## 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.

## MOTOR SUPPORT AND ACTIVATION

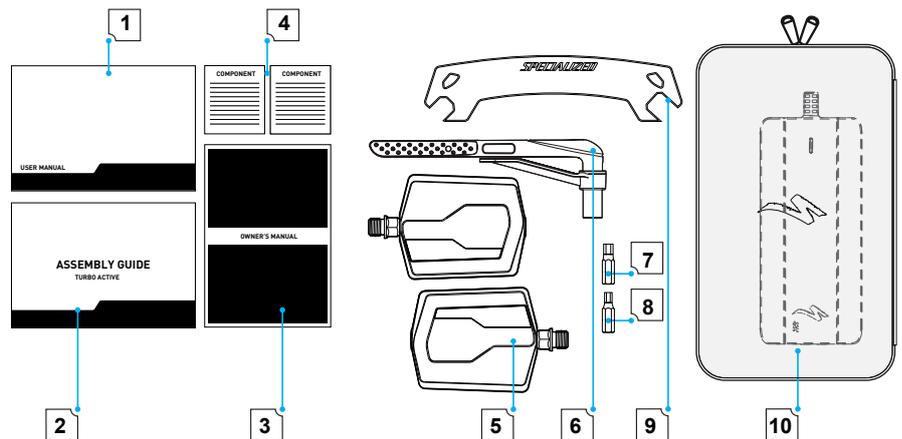
- With the system powered on, the motor support will activate as soon as the cranks are rotated and torque is detected. This can also happen when not actively riding the bicycle, e.g., when the bicycle is in a work stand or flipped upside down and the cranks are turned or the chain is moved (which then turns the cranks), when walking alongside and pushing the bicycle and the cranks are turned, or any other scenario where the cranks are turned, whether intentionally or unintentionally, and the wheels are moving. What this means is that the system should be powered off if motor assist is not desired to avoid any unintentional engagement of the motor.



**WARNING!** Always turn the battery off when not in use and/or when working on the bicycle.

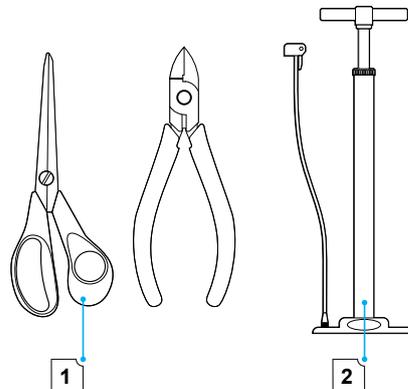
### WHAT'S IN THE SMALL PARTS BOX

- User Manual
- Assembly guide
- Owner's Manual
- Component manuals
- Pedals (optional)
- Torque wrench (1 - 10 Nm)
- Hex key/bit
- Torx key/bit
- Flat wrench
- Specialized Turbo battery charger



### REQUIRED TOOLS

- Scissors or cable tie cutters
- Bicycle floor pump (with gauge)



### ASSEMBLY INSTRUCTION VIDEO

Use your smartphone camera to scan the QR code for a comprehensive assembly instruction video of your bicycle in your language.

- Open the camera app on your phone.
- Focus the camera on the QR code by gently tapping the code.
- Follow the instructions on the screen to complete the action.

**Let's Build  
This Sweet  
Ride!**



**Assembly  
Instructions**

## LET'S GET STARTED



Your e-bike may be heavier than a bicycle without motor support. Use caution when handling, carrying, or lifting. The unpacking and assembly of this bicycle is best completed with the help of another person.

1. Remove any tape from the marked side of the box then open the box.
2. Locate and remove the small parts box, then remove all the parts supplied to assemble your bicycle.



3. Remove the front wheel brace from the box and set it aside.
4. Roll the bicycle out of the box and remove the seatpost brace.



**CAUTION:** The inner packaging is not suitable for use as a bicycle stand. Place the bicycle into the side stand if fitted or lean it against a stable surface to support the bicycle during assembly.



## ADJUSTING THE HANDLEBAR

Determine which type of stem you have: (A) threadless stem or (B) flow stem or (C) Como integrated stem, then follow the instructions for that type.



The handlebar on the bicycle is rotated to ensure a secure fit in the box.

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



**CAUTION:** Be careful not to damage the bicycle when removing zip ties.



### THREADLESS STEM:

5. Using a 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.
6. Brace the wheel between your knees and rotate the handlebar into alignment.

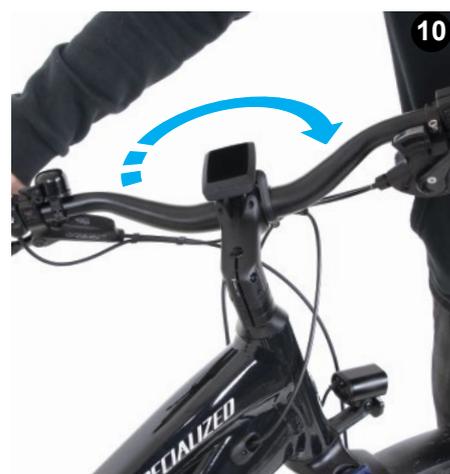


7. Align the handlebar with the center of the bicycle.
8. Using the torque wrench and corresponding hex bit, torque (clockwise) the two bolts (A-B) on rear of the stem to specification.

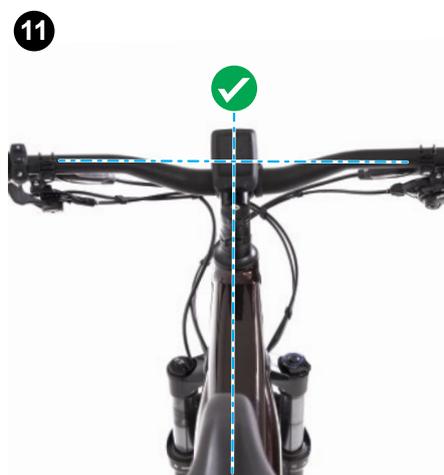


**FLOW STEM:**

9. Using a 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.
10. Brace the wheel between your knees and rotate the handlebar into alignment.



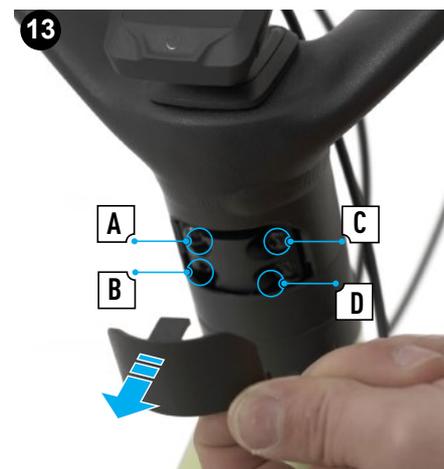
11. Align the handlebar with the center of the bicycle.
12. Using the torque wrench and corresponding hex bit, torque (clockwise) the two bolts (A-B) on rear of the stem to specification.



**COMO INTEGRATED STEM:**

The Como is equipped with a custom designed handlebar assembly which is setup differently to other handlebars.

13. Remove the steerer locking clamp cover at the back of the integrated stem.
14. Using a wrench and corresponding Torx bit, loosen (counter-clockwise) the four bolts (A-D) on the steerer clamp until the stem is loose enough to turn.



15. Brace the wheel between your knees and rotate the handlebar into alignment.
16. Align the handlebar with the center of the bicycle.



17. Using the torque wrench and corresponding torx bit, lightly tighten the steerer clamp bolts (A-D) in an alternating pattern and then torque the bolts in an alternating pattern to specification.
18. Click the steerer locking clamp cover back in place at the back of the stem.



### 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.

19. Remove the pedals from their packaging and locate the left "L" pedal and right "R" pedal. The pedals have stickers that correspond to the stickers on the left and right cranks.



The crank threads are pre-greased.

20. Insert the right "R" pedal on the right crank arm (drive side, clockwise rotation).
21. Insert the left "L" pedal into the left crank arm (non-drive side, counter-clockwise rotation).



- 22. HEX KEY PEDALS:** Using the corresponding hex key inserted from the inside of the crank arm, tighten the pedal in place. When at the correct tension, the tool leaves a noticeable impression in the palm of your hand.
- 23. FLAT WRENCH PEDALS:** Using the flat wrench, tighten the pedal in place. When at the correct tension, the tool leaves a noticeable impression in the palm of your hand.



### DROPPER SEATPOST EXTENSION

If your bicycle is fitted with a dropper post it will be installed in the lowest position in the frame with the upper tube in the low position for shipping. Before adjusting the saddle height, you need to extend the dropper post to the fully extended position.

- 24.** Place the thumb of one hand on the dropper post lever and the other hand on the saddle.
- 25.** Use your thumb to push the dropper post lever, then use your hand to control the upward movement of the saddle when extending the dropper post.

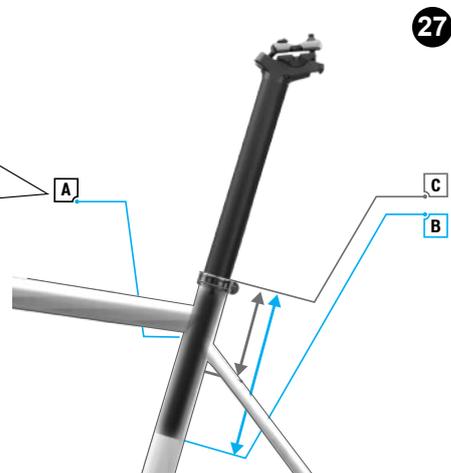
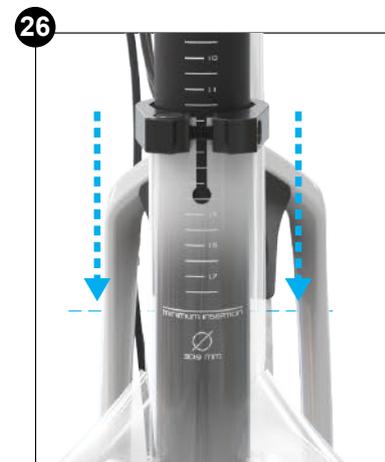


**CAUTION:** Always use your hand to control the upward movement of the seat post when not riding. Failure to do this could result in minor or moderate injuries.

### 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:

- 26.** 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).
- 27.** 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).



Refer to the User Manual supplied with your bicycle 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.

### ADJUST THE SEATPOST HEIGHT

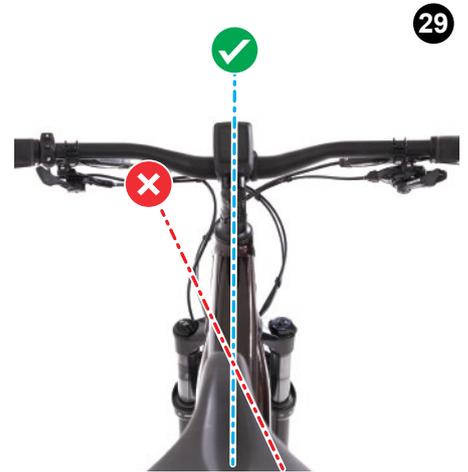
Determine which type of seat post you have; seatpost clamp (A), or seatpost wedge (B), then follow the instructions for that type.



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

### SEATPOST CLAMP

- 28. Using a wrench and corresponding hex bit, loosen the seatpost clamp bolt and set the saddle height to your desired position, then lightly tighten the seatpost clamp bolt.
- 29. Align the saddle with the centerline of the bicycle.



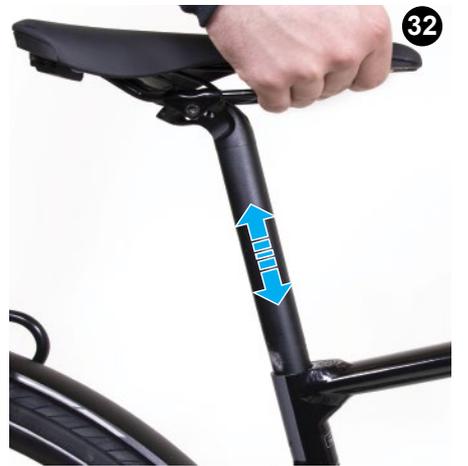
- 30. Using the torque wrench and corresponding hex bit, torque the seatpost clamp bolt to the specified torque setting found on the seatpost clamp and/or in the user manual.



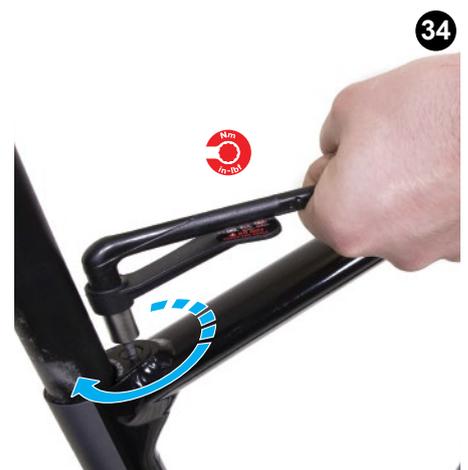
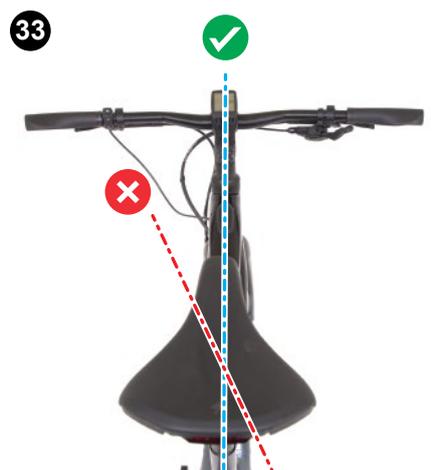
### SEATPOST WEDGE

**i** Front and rear seatpost wedges are adjusted the same way.

- 31. Using the wrench and corresponding hex bit, loosen the seatpost wedge bolt.
- 32. Adjust the seatpost to the desired height.



- 33. Align the saddle with the centerline of the bicycle.
- 34. Once the seatpost height is set, use the torque wrench and corresponding hex bit to torque the wedge bolt to specification.



## PUMPING THE TYRES

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

35. 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.



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.

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## CHARGING THE BATTERY



Your bicycle will arrive with a battery that is only partially charged. Before your first ride, you should give it a full charge. Please refer to the User Manual supplied with your bicycle for important safety information and instructions on how to properly charge your battery. Make sure you read it in its entirety.



**WARNING!** Do not move the bike or rotate the crank arms when the charger is connected. This can cause damage to the charger plug and/or charge port, should the crank arm hit the connector.



While charging, if the rear wheel speed sensor magnet passes the speed sensor, the battery will go into a safe state and stop charging. To avoid interruption of the charging process, do not rotate the rear wheel during charging. To resume charging, make sure the speed sensor magnet is not located near the sensor in the dropout and initiate charging again by disconnecting and re-connecting the charger connector.



## CONNECT TO MISSION CONTROL

Depending on the model, the bicycle is equipped with either a TCU (A) a MasterMind TCU (B) or a MasterMind TCD (C).

36. Power up the bicycle using the power button on the TCU or TCD.  
 37. Follow the steps shown in the bicycle's User Manual to connect the bicycle to the Mission Control app and complete online rider registration.

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 **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 contact Rider Care or 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.