

SANTA CRUZ BICYCLES

User Manual | EN

The logo consists of the words "SANTA" and "CRUZ" stacked vertically in a white, sans-serif font, centered within a solid black square.

TABLE OF CONTENTS

ENGLISH	4
SAFETY INSTRUCTIONS.....	4
COMPONENTS	10
GENERAL SERVICE AND CARE	20
WARRANTY.....	23

SAFETY INSTRUCTIONS

⚠ WARNING

SAFETY NOTICES, SAFETY INSTRUCTIONS AND NOTICES

The warning notices, safety instructions and notices are structured according to the following scheme:

WARNING SIGN AND SIGNAL WORD

Possible consequences and the cause of the hazard. Measure that must be taken in order to avoid this hazard.

Various warning signs and signal words may be used, depending on the situation.

⚠ WARNING

Indicates a potentially hazardous situation. Fatality or serious injury may result if the situation is not avoided.

⚠ CAUTION

Indicates a potentially hazardous situation. Minor or negligible injury may result if the situation is not avoided.

NOTICE

Indicates a potentially harmful situation. The product or something in its immediate vicinity may be damaged if the situation is not avoided.

OPERATING INSTRUCTIONS

These operating instructions will help you to use your bicycle/EPAC (Electrically Power Assisted Cycle) properly and safely, so that you can get many years of enjoyment out of it. If your bicycle has not been handed over to you completely assembled and adjusted, please contact your dealer for any adjustments.

⚠ WARNING

Serious injury and/or equipment damage can be caused by incomplete assembly. This bicycle may only be used if all of its components have been assembled in accordance with the operating instructions. Make sure all screws/nuts have been tightened with the specified tightening torque and the appropriate torque wrench.



TORQUE WRENCH

SAFETY INSTRUCTIONS

⚠ WARNING

THESE OPERATING INSTRUCTIONS AND ALL FURTHER DOCUMENTATION

⚠ WARNING

Serious injury and/or equipment damage can be caused by failure to observe the operating instructions.

- Read these operating instructions carefully before using your bike for the first time. Also read and observe all additional documentation provided.
- Familiarize yourself with the appearance and meaning of the safety information symbols on the next page. In case of doubt, please contact your dealer.
- Ensure that your dealer has provided you with all the documents included with the bike upon delivery.
- Retain these operating instructions and all additional documentation for future reference. Pass these operating instructions and all additional documentation to anyone who uses, maintains, repairs, or disposes of this bicycle.
- The manufacturer's liability and any warranty are deemed null and void for any damage or injury caused by a failure to adhere to safety symbols and instructions.

We assume that you have basic, sufficient knowledge of dealing with bicycles. You should, however, read these operating instructions in their entirety, and refer to the component operating instructions for special settings.

WEBSITES

You can also get further information about your bicycle on the www.santacruz bicycles.com website.

YOUR DEALER







If you have any questions, ask our cycle dealers for advice. All dealers in your region are listed on the brand website.

STANDARD SCOPE OF SUPPLY

BICYCLE (MOTORLESS)	PEDELEC
ORIGINAL OPERATING INSTRUCTIONS - GENERAL	ORIGINAL OPERATING INSTRUCTIONS - GENERAL
	ORIGINAL OPERATING INSTRUCTIONS - SYSTEM
	EU DECLARATION OF CONFORMITY/UK DECLARATION OF CONFORMITY

SAFETY INSTRUCTIONS

WARNING

CONDITIONS	 1 EN 17406	 2 EN 17406	 3 EN 17406	 4 EN 17406	 5 EN 17406	 6 EN 17406
Description	Applies to bicycles and EPACs used on regular paved surfaces where the tires are intended to maintain ground contact at average speed with occasional drops.	Applies to bicycles and EPACs and includes Condition 1 as well as unpaved and gravel roads and trails with moderate gradients.. In this set of conditions, contact with irregular terrain and repeated tire contact with the ground may occur. Drops are intended to be limited to 15 cm or less.	Applies to bicycles and EPACs and includes Conditions 1 and 2 as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 60 cm.	Applies to bicycles and EPACs and includes Conditions 1, 2, and 3, or downhill gradients on rough trails at speeds less than 40 km/h, or both. Jumps are intended to be less than 120 cm.	Applies to bicycles and EPACs and includes Conditions 1, 2, 3, and 4; extreme jumping; or downhill gradients on rough trails at speeds in excess of 40 km/h; or a combination thereof.	Applies to bicycles and EPACs and includes Condition 1, to be used in competition or otherwise at high speed in excess of 50 km/h such as when descending or sprinting.
Typical average speed range (km/h)	15 to 25	15 to 25	Not relevant	Not relevant	Not relevant	30 to 55
Intended drop/jump height (cm)	<15	<15	<60	<120	<120	<15
Intended riding purpose	Commuting and leisure with moderate effort	Leisure and trekking with moderate effort	Sportive and competitive with moderately challenging technical trail features	Sportive and competitive with highly challenging technical trail features	Extreme sports	Sportive and competitive with intensive effort
Type of bicycle	City and urban bikes	Trekking bike, travel bike	Cross country and marathon	All mountain, trail	Downhill, dirt jump, freeride	Road racing, time trial, triathlon
Recommended riding skills	No specific riding skills required	No specific riding skills required	This requires technical skills and practice	This requires technical skills, practice and good riding control	This requires extreme technical skills, practice and riding control	This requires technical skills and practice
Santa Cruz Bicycles / Juliana Bicycles Models	N/A	Stigmata, Skitch, Quincy (Juliana)	Chameleon, Highball, Blur, Tallboy, Wilder (Juliana), Joplin (Juliana)	5010, Bronson, Hightower, Nomad, Heckler, Bullit, Heckler SL, Furtado (Juliana), Roubion (Juliana)	V10, Jackal	N/A

SAFETY INSTRUCTIONS

⚠ WARNING

PERMISSIBLE TOTAL PAYLOAD

Do not exceed the total permissible payload of the bicycle, as this can lead to the breakage or failure of important safety components. In addition, the braking system is only designed for the permitted total payload of the bicycle. For EPACs, see marking on frame for weight of the fully assembled EPAC.

Permissible Total Payload = weight of the rider + weight of luggage

Maximum Permissible Total Weight = Fully Assembled EPAC Weight + Permissible Total Payload

PERMISSIBLE TOTAL PAYLOAD	
BICYCLE TYPES	
Road Bicycle	275 lb (125 kg)
Cyclocross/Gravel Bicycle/ Peelec Gravel Bicycle	275 lb (125 kg)
Cross Country Mountain Bike	300 lb (136 kg)
Trail and All-Mountain Bike	300 lb (136 kg)
Downhill and Freeride Mountain Bike	300 lb (136 kg)
Dirt Jump Mountain Bike	300 lb (136 kg)
Peelec: Trail and All-Mountain E-Bike	300 lb (136 kg)

SAFETY INSTRUCTIONS

⚠ WARNING

RIDING SAFELY

Obey all local and federal bicycle laws and regulations. Laws and regulations include, but are not limited to, licensing a bicycle, wearing a helmet, riding with a child carrier, bicycle traffic laws, riding with lights or reflectors, and riding on sidewalks, bike paths, and trails. You are responsible for understanding and obeying all laws and regulations.

Wear a helmet that complies with CPSC or CE safety standards. Failure to wear a helmet when riding may result in serious injury and/or death.

Watch for hazards while riding, such as potholes, railroad tracks, cattle guards, debris, or variations in the road. These hazards can damage wheels and tires or cause you to lose control of your bicycle and crash, which could result in serious injury and/or death.

Use a proper front and rear lighting system and reflectors for riding in conditions with poor visibility or low light, such as fog, dusk, dawn, or night time. Reflectors alone are not sufficient for riding a bicycle in these conditions. Failure to use a proper lighting system and reflectors in these conditions could prevent you from being able to see, and could prevent you from being seen by other people. Failure to use a proper lighting system or reflectors in these conditions is extremely dangerous and may result in serious injury and/or death.

EPACs pose unique risks to those unfamiliar with their operation. Fully familiarize yourself with how this EPAC works before riding. Users should practice riding this EPAC in a safe environment, starting with no assist and slowly working their way to higher assist levels as their skill and abilities increases; never ride above your ability. If the owner and/or user provides access to an EPAC to another person(s), it is the owner and/or user's responsibility to ensure other users are fully trained on the operation of the EPAC and possess the skill and ability to do so safely; it is the responsibility of the owner and/or user to ensure no unauthorized use.

Modification of EPACs is not permitted. If a part or component is replaced, it must be replaced with the exact OEM item or approved alternative. If a user decides to change or replace OEM items, it is the user's responsibility to ensure replaced items meet all regulatory and safety requirements.

The A-weighted emission sound pressure level at the driver ears is less than 70 dB(A).

Wet, muddy, snowy, or loose surfaces will impair traction, steering, and braking ability. The risk of a crash is dramatically increased in these conditions and can lead to serious injury and/or death.

Watch for "toe overlap", which is when your foot makes contact with the front wheel, tire, or fender as you turn the bicycle at slow speeds. This can cause you to crash, which can result in serious injury and/or death. Test your equipment at slow speeds without pedaling to make sure your foot has clearance during slow speed turns. Check for toe overlap each time you change your cranks, shoes, pedals, or tires.

Mountain biking and road riding is an inherently dangerous activity, and can result in injury even at slow speeds. Stunt riding, jumping your bicycle, riding at high speeds, lift-access, racing, and other types of extreme riding are considered extremely dangerous, and increase your risk of injury and/or death. Even with the most advanced safety gear, you could become seriously injured or killed when stunt riding, jumping, riding at high speeds, or competing. To decrease your risk of injury, know your limits, use your bicycle correctly, and always wear an appropriate helmet style and appropriate safety gear.

SAFETY INSTRUCTIONS

⚠ WARNING

BICYCLE SAFETY

You must register your bicycle in order to make a warranty claim (see the instructions on the Warranty page).

Keep this manual for your reference. It is critical that you consult your dealer and component manufacturer's instructions where indicated in this manual, as many tasks should only be done by your dealer.

Adhere to all torque and sizing specifications for press fits and thread fits. Over-tightening can damage threads or cause parts to fail. Using the wrong size part can cause parts to fail and may cause a crash, which can result in serious injury and/or death. Observe the torque specifications on the components, in the owner's manual and/or the manufacturer's website. If you have any questions, contact your dealer. Improper installation or torque can lead to part failure, which can cause a crash, serious injury, and/or death.

As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail and may cause a crash, which can result in serious injury and/or death. Any form of crack, scratch, dent, delamination, unusual noise, or change of coloring indicates that the life of the component has been reached and it should be replaced before riding.

In the event of an impact or crash, damage to composite components or frame may be invisible to the user. Consult your dealer immediately for inspection. Your bicycle requires regular maintenance, frequent inspection, and the replacement of parts to address any issues.

After any crash or impact, or if you have exceeded the maximum weight limits, immediately contact your dealer for inspection.

Do not exceed 150°F (65°C) exposure to your bicycle. High temperatures, such as an open flame or other heat sources, may damage the adhesive that holds carbon fibers together or the joints that hold frame parts together.

Excessive vibration or "harmonic oscillation" from imbalances of the wheels or frame indicates a serious problem. Stop riding the bike immediately and consult your dealer.

Do not attempt to repair damaged carbon composite. It is impossible to predict how forces from a crash or impact have damaged a carbon frame or parts. Repairing a carbon frame can compromise your safety and will void the warranty.

Do not place your hands near a moving drivetrain. The areas where the chain contacts the front and rear sprockets or derailleurs can pinch fingers and hands.

Do not place your hands near a moving wheel. A moving wheel can catch your hand between the spokes and frame or other components and can crush your hand.

Do not place your hands near sprocket teeth or disc brake rotors, which have sharp edges and can cut skin. The bike is not intended for the use of child seats and trailers.

COMPONENTS

Special tools and knowledge are necessary for installation and adjustment of your bicycle. For your safety, only an authorized dealer should install, adjust, or service the frame or the components. Observe the torque specifications on the components, in the user manual, and/or the manufacturer's website. Make sure to set up a maintenance schedule with your dealer to keep your bicycle safe and performing its best. Consult your dealer if you have any questions or concerns about proper setup and riding your bike. Stop riding immediately and consult your dealer if you suspect any problems with your bicycle.

⚠ WARNING

Changing the components on your bicycle can compromise the safety of your bicycle, void the warranty, and can result in injury and/or death. Not all components or accessories have been tested for compatibility, reliability or safety on your bicycle. Check with your dealer before making changes to your bicycle.

FRAME

Your dealer should help you determine the correct size for you. A bicycle fits correctly when there is adequate space as you stand over the top tube. For most bicycles, there should be a minimum of 1 inch of stand-over clearance. For mountain bicycles, there should be a minimum of 2-3 inches of stand-over clearance.



STAND-OVER CLEARANCE

SUSPENSION

If your bike is equipped with rear and/or front suspension, ensure the suspension is setup and adjusted according to the manufacturer's recommendations. Refer to your suspension manufacturer's website for user manuals and setup instructions.

Suspension settings will vary depending on: rider preferences, rider weight (including gear), rider skill, riding style, terrain and conditions, etc. Before each ride, the rider must confirm the following to ensure safe operation of the bicycle: suspension with an air spring has adequate air pressure and/or suspension with a coil spring has an adequate spring rate, compression damping is adjusted, and rebound damping is adjusted. Your dealer will be able to help you setup your suspension for your needs. You will also find recommended suspension setup starting points at <https://www.santacruz bicycles.com/en-US/service/suspension-setup>.

⚠ WARNING

Failure to properly set up your suspension can cause product malfunction and increase your chances of losing control and crashing, which can result in serious injury and/or death. Refer to your suspension manufacturer's instructions for all safety instructions, warnings, set up, and proper use.

Inspect your suspension regularly for any visible damage. If oil is leaking or you notice any damage to the surfaces or seals, contact your dealer immediately.

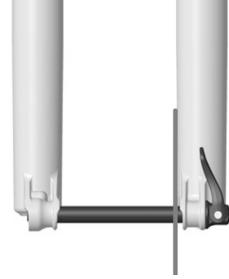
WHEEL AND AXLE

The wheel is secured to the bicycle with a “thru axle” wheel mounting system. The thru axle portion is a threaded axle that inserts through the hub and fork/frame dropouts, and is clamped securely at the fork/frame dropouts. Your bicycle may have two different axles for the front and rear wheels. Consult your retailer to understand which type of wheel mounting system(s) you have, how to properly use each system, and which tools may be required.

WARNING

Do not ride your bicycle with an improperly secured wheel or axle. This can allow the wheel to move or disengage from the bicycle, and can cause you to crash, which may result in serious injury and/or death. Consult your axle manufacturer’s instructions for the proper installation procedure.

The incorrect installation or placement of an axle lever could cause the lever to get caught in the rotor of the disc brake or interfere with the frame or other components, which can cause you to crash and may result in serious injury and/or death.

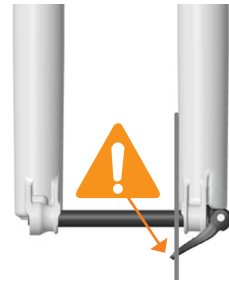


CORRECTLY INSTALLED AXLE

INSTALL THE COLLET THRU AXLE

Santa Cruz Bicycles manufactures one style of axle, the collet thru axle. However, our bicycles come with various brands and models of axles like the ones listed on the next page. You may have a different style of axle included on your bicycle. Consult your dealer for help with identifying which axle types are on your bicycle. Axle technologies change rapidly, so refer to your axle manufacturer’s instructions for the most current wheel and axle installation procedure. The instructions below only apply to the collet thru axle.

1. Position the chain on the outermost cog.
2. Install the rear wheel into the rear dropouts.
3. Insert the axle through the dropouts and hub from the non-drive side.
4. Insert a 5 mm hex wrench into the drive side rear dropout and turn the axle counter-clockwise to 9 Nm (80 in-lb) torque.
5. Use a 5 mm hex wrench to turn the axle bolt on the non-drive side dropout clockwise to 12.4 Nm (110 in-lb) torque.



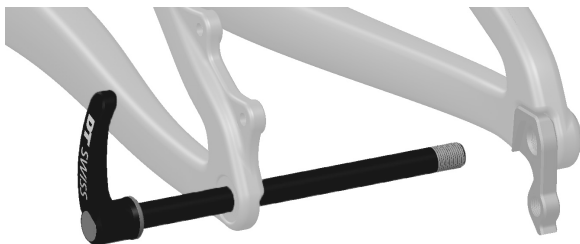
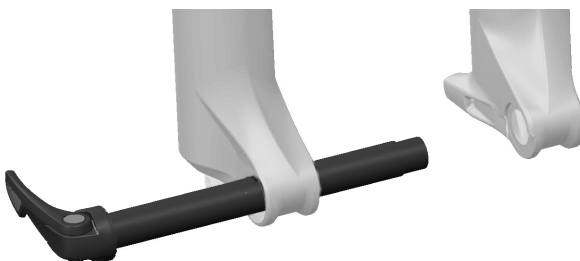
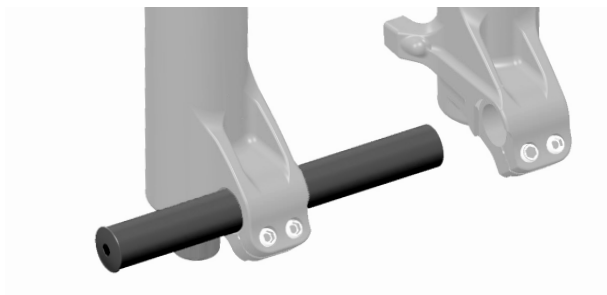
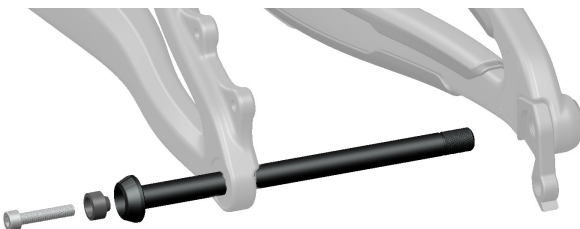
INCORRECTLY INSTALLED AXLE

REMOVE THE COLLET THRU AXLE

1. Position the chain on the outermost cog.
2. Use a 5 mm hex wrench to turn the axle bolt on the non-drive side counter-clockwise two turns.
3. Use a 5 mm hex wrench, inserted into the drive side rear dropout to turn the axle clockwise and remove it.
4. Slide the axle out of the dropouts and hub to release the rear wheel.

WHEEL MOUNTING SYSTEMS

Wheels are secured using various types of wheel mounting systems:

DT SWISS® RWS THRU AXLE**QUICK RELEASE (OVER-CENTER CAM) THRU AXLE****TOOLED THRU AXLE****COLLET THRU AXLE**

BRAKES

Brakes are designed to control speed, slow, and stop the bicycle. Pull each lever to determine which brake operates which wheel, front or rear. Use your brakes at slow speeds in a safe area to determine the maximum braking force for each wheel at different speeds. Avoid “locking up” or completely stopping the wheels while the bike is still moving forward, which can lead to loss of control and a crash, resulting in serious injury and/or death. Practice shifting your weight toward the rear wheel during powerful braking conditions (such as descending), in order to prevent your body from going over the bars. Disc brakes are extremely powerful, so make sure to practice in a safe area without traffic and other obstacles, until you feel confident using them during rides.

Before each ride, check the brakes for proper function and take note of any wear. Consult your dealer for maintenance schedule and to address any wear. Observe the torque specifications on the components and/or the manufacturer’s website. If you have any questions, contact your dealer.

Brake levers often feature a “reach” adjustment, which adjusts the distance between the brake lever and the handlebar. Consult your dealer or refer to your brake manufacturer’s instructions to install and adjust your brakes.

WARNING

If you are unable to reach the brake levers when your hands are securely positioned on the handlebar, you must either adjust the reach or replace the brake levers with a more appropriate model. Riding with the brake levers out of reach can cause you to lose control of your bicycle and crash, and may result in serious injury and/or death.

WARNING

Adhere to the rotor size limitations for your fork manufacturer’s instructions. A larger rotor than what is recommended can interfere with the fork, frame, or other components and cause a crash, which may result in serious injury and/or death.

MODEL	MAXIMUM ROTOR SIZE
Stigmata	160 mm
All other models	203 mm (or fork manufacturer’s recommendation)

CAUTION

Do not touch disc brakes immediately after use. Disc brakes and disc brake rotors can become very hot during use and can burn skin. Make sure your brakes and rotors have cooled completely before handling them.

NOTICE

Hydraulic disc brake pads wear over time and may become misaligned. Refer to your brake manufacturer’s instructions or consult your dealer to align your hydraulic disc brakes and inspect or replace rotors and brake pads.

Do not squeeze the brake lever when the wheel is removed. This can alter the brake pad position and may prevent you from reinstalling the disc brake and wheel.

SHIFTERS, DERAILLEURS, AND GEARS

The right shifter controls the rear derailleur. Shift to larger cogs on the cassette for easier gears. Shift to smaller cogs on the cassette for harder gears. You must pedal forward in order to change gears. The left shifter controls the front derailleur. Shift to a larger chainring for a harder gear. Shift to a smaller chainring for an easier gear. You must pedal forward in order to change gears.

The position of the shift and brake levers on the handlebar should be adjusted to fit the rider's hand position. Consult your dealer to properly set up the shift and brake levers within reach of the rider's hands.

Proper setup, adjustment, and maintenance of derailleurs and shifters is required for safe operation of the bicycle. The following items must be set or adjusted for safe operation (where applicable): Chain Length, B-Adjust Screw, Upper Limit Screw, Lower Limit Screw, and Cable Tension (or Micro Adjust for electronic shifting). Contact your dealer or consult the drivetrain manufacturer's user manual for adjustment procedures.

Over time, shifter cables can stretch and will need adjustment to keep shifting operations working properly. The shifter cable tension can be adjusted at the derailleur(s) and with a barrel adjuster on some types of shift levers. Contact your dealer to adjust the shifter cable tension and the derailleur(s).

For instructions on shifter/derailleur cable routing for your frame, consult your dealer or go to www.santacruz bicycles.com.

NOTICE

If the rear derailleur cannot be properly adjusted, it may indicate that the derailleur hanger is bent. Consult your dealer to repair or replace your derailleur hanger.

CHAIN

The chain must be properly sized and installed to fit your specific drivetrain. Consult your dealer and the chain manufacturer's instructions for information on chain installation and adjustment. A chain that is not sized properly can interfere with derailleur function or cause the chain to fall off the chainrings. Proper chain tension is required for safe use. Consult your dealer about the proper chain tension for your specific drivetrain and check your chain tension monthly.

HANDLEBAR AND STEM

Use the handlebar to steer the bicycle. The handlebar is connected to the bike by the stem and the steerer tube of the fork. Adjust the handlebar rotational position to your preference using the stem manufacturer's instructions, or consult your dealer.

Before your first ride, practice steering your bicycle at slow speeds in a safe area without traffic and other obstacles until you feel confident.

⚠ WARNING

Do not adjust the handlebar height. Adjusting the handlebar height requires special tools and knowledge for headset bearing adjustment, and should only be done by your dealer.

An improperly installed headset, stem, or handlebar can damage the fork steerer tube and may cause a crash, which could result in serious injury and/or death.

Do not remove spacers from the fork steerer tube. Removing spacers requires special tools and knowledge for headset bearing adjustment and minimum spacer requirements, and should only be done by your dealer. For non-carbon fork steerer tubes, there must be at least one 5 mm spacer below the stem. For carbon fork steerer tubes, there must be at least one 5 mm spacer below and above the stem.

⚠ WARNING

Do not add spacers to the fork steerer tube because the stem will not properly clamp the fork steerer tube. This may cause loss of control and a crash, which could result in serious injury and/or death. For Stigmata and Quincy, maximum spacers under the stem are not to exceed 50 mm.

Do not over-tighten the stem bolts. This can damage the steerer tube of the fork and may cause a crash, which could result in serious injury and/or death.

Use handlebar plugs to cover the ends of the handlebar. Failure to cover the ends of the handlebar may cause the rider to be punctured or cut during a crash, which could result in serious injury and/or death.



STEM, SPACER, AND TOP CAP

SEAT AND SEATPOST

Bicycles come equipped with either a fixed-bolt seatpost collar or a quick-release (over-center cam) seatpost collar. The seatpost collar holds the seatpost in place and prevents it from moving down or rotating while you are riding.



FIXED-BOLT SEATPOST COLLAR



QUICK RELEASE SEATPOST COLLAR

Make sure you install the correct size seatpost collar for your seatpost measurement (see the table below).

MODEL	SEATPOST COLLAR DIAMETER	SEATPOST DIAMETER
Stigmata, Highball	31.8 mm	27.2 mm
Jackal, V10	34.9 mm	30.9 mm
All other models	36.4 mm	31.6 mm

SEAT HEIGHT

How to determine the optimal seat height for your body size:

1. Sit on the seat and at the same time, lean against a wall.
2. Turn the foot pedal on the opposite side of the wall to its lowest point.
3. Place your heel on the pedal. Your leg should be fully extended. If your leg is not fully extended when your heel is on the pedal, raise the seat. Lower the seat if you cannot reach the pedal.



FULLY EXTENDED LEG

SEATPOST MINIMUM INSERTION

The seatpost has a minimum insertion mark that must always remain below the top of the seat tube. There must be a minimum of 3.15 inches (80 mm) of the seatpost installed into the frame.



MINIMUM INSERTION MARK

ADJUST SEATPOST HEIGHT

1. **For fixed-bolt seatpost collars:** Use a 4 mm hex wrench to loosen the seatpost collar binder bolt.
For quick-release seatpost collars: Move the quick-release lever to the OPEN position.
2. Adjust the height of the seatpost to your preference. Make sure the minimum insertion mark is not visible above the frame. Make sure the seat is straight and in-line with the top tube of the bicycle.
3. **For fixed-bolt seatpost collars:** Use a 4 mm hex wrench to tighten the seatpost collar binder bolt to the seatpost manufacturer's recommendations.
For quick-release seatpost collars: Move the quick-release lever to the CLOSED position.

⚠ WARNING

Incorrect seat height adjustments can cause falls, serious injury, and/or death. We recommend having your cycle dealer perform all assembly and adjustment work. If you want to adjust or install something by yourself, be sure to observe the tightening torques for your components.

⚠ WARNING

The quick-release lever is an over-center cam. Tighten the adjusting nut to increase clamping force when the lever is closed. The force required to close the lever should leave an imprint on your palm and will require you to wrap your hand around the seatpost or frame for leverage. If the lever tension is insufficient, open the lever and turn the adjusting nut clockwise in small increments until tension is sufficient.

⚠ WARNING

Failure to tighten the seatpost collar binder bolt to the seatpost manufacturer's recommendation can cause damage to the seatpost and can cause a crash, which may result in serious injury and/or death.

TIRE CLEARANCE

The minimum seat height is determined by the maximum seatpost insertion (marked on seatpost), plus at least 6 mm of clearance between the seat and the rear tire. This rear tire clearance must be measured with the rear suspension bottomed out and with the dropper seatpost (if applicable) fully compressed.

Consult your dealer or suspension manufacturer's instructions to remove air pressure and/or shock removal to achieve bottom out position.

NOTE: The dropper post hose/cable may kink in the bottom of the seat tube prior to bottoming out on the seat post collar; ensure the dropper post hose/cable is not kinked and the post operates as intended.

SEAT POSITION

The seat angle can be adjusted to increase comfort. The seatpost has seat clamps that adjust the angle, or tilt, of the seat and the fore-aft position. Although the seat can be moved along the rails, ensure that the seat clamp remains within the straight section of the rails. This straight section should be indicated by etched marks or a textured area along the rails of the seat.



STRAIGHT SECTION OF THE SEAT RAILS

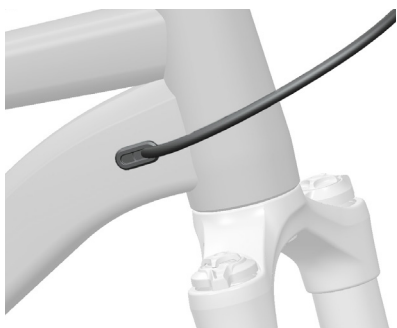
⚠ WARNING

A seat that is not adjusted properly or does not fit your anatomy may cause injury to soft tissues, nerves, and blood vessels. Signs and symptoms include (but are not limited to) pain, tingling, numbness, chafing, or saddle sores. Consult your dealer or refer to your seatpost manufacturer's instructions to adjust your seat position. Consult your dealer to change your seat or to request a bicycle fit.

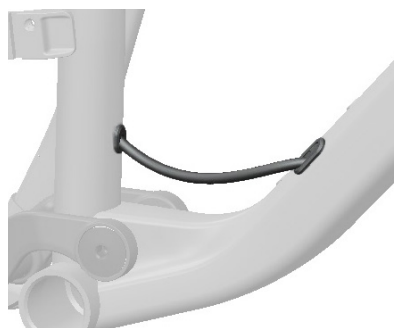
SEATPOST ROUTING

"Dropper" seatposts are height-adjustable hydraulic or mechanical seatposts that require cable/hose routing through the frame port(s). Please refer to the manufacturer's website for more information on dropper seatposts. The dropper seatpost on your bicycle is not intended for the use of child seats and luggage carrier. Carbon frames have a single port (left image) and aluminum frames have three ports (both images).

For instructions on installing dropper seatpost routing for your frame, consult your dealer or go to www.santacruz bicycles.com.



CARBON AND ALUMINUM FRAMES



ALUMINUM FRAMES

TIRES

Do not over-inflate the tire. This can cause the tire to blow off of the rim. Inflate the tire to the pressure listed on the sidewall of the tire or consult your dealer for additional information.

Use the size listed on the sidewall of the tire when you purchase additional tires, tubes, or rim strips. To repair a flat tire, use a patch kit, replace the tube, or repair with sealant (for tubeless rims). Consult your dealer for information on replacing or repairing a tire for your specific bicycle.

NOTICE

Do not use air hoses at gas stations to inflate tires. These air hoses can have inaccurate pressure readings and inflate the tire too quickly, which can cause damage or cause the tire to blow off the rim.

⚠ WARNING

For front suspension forks, you must have at least 6 mm of tire clearance when the air is released from the fork and the fork is compressed completely. Measure around the edges of the inflated tire and the crown, fork brace, and steerer. Failure to leave at least 6 mm of tire clearance can cause the tire to stop against the fork when the fork is compressed, which can result in serious injury and/or death.

For road or cyclocross bicycles, there must be at least 10 mm of tire clearance between the edges of the inflated tire and the frame.

OPERATING REGULATIONS

If you want to ride on a public road, your bicycle (motorless) or Pedelec must be fitted with the following components: brake system, bell, lighting device and/or reflectors. All of these components must be kept in good working condition and properly secured to the bicycle. The front light/reflector must face directly forward, and the rear light/reflector must face directly back. Make sure the lights/reflectors are visible at all times, and watch for clothing or other items that may cover them accidentally. Further requirements are covered in national legislation governing operating regulations. If components which are required by law in your country or location are not fitted to your bicycle, you must retrofit these before traveling on public roads.

LUGGAGE CARRIERS

Some Santa Cruz Bicycles are compatible with a front or rear mounted luggage carrier or trailer. Consult your dealer or trailer/carrier manufacturer's instructions for mounting requirements, compatibility, proper installation, and safe use. Consult your dealer to follow a maintenance schedule for any added products or accessories. The dropper seatpost on your bicycle is not intended for the use of child seats and luggage carrier

⚠ WARNING

The use of luggage carriers or trailers can affect steering, the performance of suspension and other components, and will increase the braking distance required to stop or slow the bicycle. Do not overload the bicycle (see weight limits, Safety Instructions). Make sure luggage and carrier parts do not cover lights or reflectors or interfere with moving components, such as wheels.

GENERAL SERVICE AND CARE

STORING

Store your bicycle where it will not be an obstruction and has protection from dangerous conditions. Do not park your bicycle near electric motors; ozone from motors can damage rubber and paint. Rain or snow can cause the metal on your bicycle to corrode. Ultraviolet radiation from the sun can fade the paint and crack the rubber or plastic on your bicycle. Before you put away your bicycle for an extended time, clean and service it and apply frame polish. Hang your bicycle off the ground with the tires at approximately half the recommended inflation pressure. Before you ride your bicycle again, be sure it operates correctly.

CLEANING

Clean your bicycle with a soft, moist cloth and bicycle cleaner or a solution of dish soap and water. Do not use industrial solvents or harsh chemicals that can damage the paint or moving parts. Do not use high-pressure water. Every three months, clean and polish the frame finish. Some finishes do not require polish. If you are not certain, consult your retailer.

INCIDENTAL DAMAGE

Do not let your bicycle fall. Do not set your bicycle down with the frame or derailleur touching the ground. Use care with car racks and work stands. Clamping devices, such as those found on a work stand or car carrier, can cause damage to the paint or tubes of bicycle frames. To hold the bicycle for repairs, clamp the seatpost. To hold the bicycle for transportation on a motor vehicle, clamp the bicycle by the wheels or fork. If you accidentally apply a bending force to the fork, do not ride the bicycle until your retailer has inspected the fork for damage.

The finish, or paint, on your bicycle can be damaged by chemicals (including some sports drinks) or abrasive contact. Dirt can scratch or remove paint (and even frame material), especially where a cable rubs or a strap is placed around a tube. Keep the bicycle clean. Use adhesive padding to prevent rubbing in critical spots.

TRANSPORT

When packaging your bicycle for travel, use a hard case or carton that will protect it from damage. Attach padding to all the frame and fork tubes, and use a rigid block to protect the fork tips and maintain structural support of the fork blades. If the bicycle is not packaged correctly, it could be easily damaged in transit. If you are not sure, ask your retailer to package your bicycle for you.

MAINTENANCE

Bicycle service requires special knowledge and tools and should be performed by a professional bicycle mechanic. This user manual is to be used in conjunction with the manuals supplied by the component manufacturers. If you did not receive the manual provided by the component manufacturer, download the materials off the Internet or contact your local dealer. Consult your local dealer to create a maintenance plan and refer to the Maintenance Schedule on the next page as a guide for frequent inspection, service, and replacement of parts.

MAINTENANCE

HAND-OVER INSPECTION AND SETTINGS

Ask your dealer to perform the following inspections and to adjust the bicycle for you. Please ask your dealer to check off the items that have been completed.

GENERAL

Inspection and settings	Check marks in the boxes below indicate completed
Frame / forks / suspension	
Handlebar / front stem	
Seat / seatpost	
Wheels / tires / hub axles	
Bottom bracket	
Pedals	
Shifters / derailleurs	
Chain or belt	
Brakes	
Lights / Reflectors	
Threaded joints	
Cable check	
Elastic mounts	
Test ride completed	
Technical documentation / other accessories transferred to bicycle owner	

PEDELEC/S-PEDELEC

Inspection and settings	Check marks in the boxes below indicate completed
General functional check (i.e. push assistance, support modes, button functions)	
Display set for the customer (i.e. contrast, brightness, language)	
Battery	
Motor screw connections	
Position of the speed sensor and spoke magnet (if present)	
Battery charger	
Software version (depending on model), update completed if necessary	
Hand-over inspection and settings have been carried out	

Date, signature of the customer

HAND-OVER INSPECTION AND SETTINGS

Have your dealer show and explain the following points to you, and take a test ride. Please ask your dealer to check off the items that have been completed.

GENERAL

Discussion topics	Check marks in the boxes below indicate completed
Check the functionality of the bicycle	
Carbon frame and parts	
Total weight of the bike and assembly	
Incompatibility or compatibility of accessories: luggage, child seat, trailer, trailer bike	
Bicycle transport (i.e. car, rail, air)	
Cleaning the bicycle and preparing it for winter	
Traffic regulations (i.e. helmet requirement)	
Test ride (safely getting on and off, gearshift and braking practice)	

PEDELEC/S-PEDELEC

Discussion topics	Check marks in the boxes below indicate completed
Operation and basic functions	
Bringing the Pedelec/S-Pedelec to a rapid stop in a dangerous situation	
Inserting and removing the battery	
Battery: care, range, display panel, charging, safety	
Function and meaning of shutdown speed	
Motor safety instructions	
Regulations for the disposal of electronic components	
The hand-over talk has been completed	

MAINTENANCE INTERVALS

As the spokes settle, the brake and gearshift cables stretch and the bearings run in during the first few rides traveled, the first inspection should be performed after approximately 60 mi (100 km) of travel or six weeks from the date of purchase. After that, please visit a specialist workshop once a year or after every 1250 mi (2000 km) of travel. Have the components listed for the maintenance intervals adjusted, checked (tightening torques, wear), if necessary replaced, cleaned and – if necessary and possible – lubricated.

WARNING

Serious falls can happen due to malfunctions. Observe the maintenance intervals. The intervals recommended in the maintenance tables should only be used as guidelines for normal operation and can vary depending on the conditions (e.g., weather).

Please also observe the specifications in the component operating instructions. Make sure that the bicycle is maintained in accordance with our specifications and all maintenance work is logged. Components can fail if wear and damage are not identified in good time. If this happens whilst you are cycling, you run the risk of very serious or even fatal injuries. Replace any worn, damaged or bent components before using the bike again.

If you use your bicycle intensively, remember that it will be subjected to greater wear and tear. Many parts of bicycles, particularly on light sports bicycles, are designed for a specific period of use. Once this is exceeded, there is a considerable risk that components will fail.

Please note that maintenance is not free of charge.

Date, signature of the customer

The bicycle was handed over in proper condition:

Date, signature and stamp of the dealer

WARRANTY

LIFETIME FRAME AND FORK WARRANTY

Santa Cruz Bicycles will repair or replace at its option any frame or rigid fork made by Santa Cruz Bicycles it determines to be defective in materials or workmanship. The warranty will be in effect for the lifetime of the frame or rigid fork and is available only to the original, registered owner. In order to confirm that you are the original owner, please register using our Warranty Registration Form at the time of purchase. Notwithstanding the foregoing, frames purchased prior to May 1, 2015 are covered under the previously-existing warranty for five years from the original date of purchase.

LIFETIME BEARING WARRANTY

Santa Cruz Bicycles pivot bearings are warranted for life to the original owner of the bike. The return process is simple: fill out the Warranty Bearing Replacement Form, upload a copy of your purchase receipt, and we'll get a new set of bearings out to you within 48 hours!

HANDLEBARS

Santa Cruz carbon handlebars are warranted against defects in materials and workmanship for a period of five years from the original date of purchase.

NO-FAULT REPLACEMENT

Santa Cruz Bicycles will make replacement frame parts available to the original, registered owner at a reduced charge in the event of a crash or other non-warranty situation for the life of the bike.

FILE A WARRANTY CLAIM

Something not right? Use our Warranty Claim Form to file a warranty claim. We'll do everything we can to get you back to riding as fast as possible.

If you have any other questions, or would like to follow up on a warranty claim, contact our Warranty Department.

LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS

The sole remedy available under the foregoing express warranty and all implied warranties is the repair or replacement of defective parts with those of equal or greater value, as determined by Santa Cruz Bicycles in its sole discretion. The warranty does not cover labor costs, custom finishes, normal wear and tear, or damage from commercial use. The warranty is void if the part is modified from its original condition in any manner or used outside normal intended use, as determined by Santa Cruz Bicycles in its sole discretion. The warranty for damage arising from accidents, crashes and other impacts is limited to offered replacement at a reduced charge as set forth above.

THE FOREGOING WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY OFFERED BY SANTA CRUZ BICYCLES. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL OTHER EXPRESS AND IMPLIED WARRANTIES (INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL SANTA CRUZ BICYCLES OR ANY OF ITS OWNERS, OFFICERS, EMPLOYEES, REPRESENTATIVES, AGENTS, OR AFFILIATES (OR ANY OF THEIR RESPECTIVE SUCCESSORS OR ASSIGNS) BE RESPONSIBLE OR OTHERWISE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE PURCHASE, USE, OR OWNERSHIP OF ITS PRODUCTS, INCLUDING WITHOUT LIMITATION DAMAGES FOR PERSONAL INJURY, PROPERTY DAMAGE, OR ECONOMIC LOSSES, WHETHER BASED ON CONTRACT, WARRANTY, NEGLIGENCE, PRODUCT LIABILITY, OR ANY OTHER THEORY.

Some states and countries do not allow some or all of the foregoing exclusions or limitations, so they may not apply to you. If any portion of the foregoing warranty (or the exclusions or limitations thereto) is deemed invalid or unenforceable pursuant to applicable law, it shall be deemed modified so as to be valid and enforceable to the maximum extent consistent with such law. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

To print the forms mentioned above and to view the most current warranty information please visit <http://www.santacruz bicycles.com/en-US/warranties>.

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Santa Cruz Bicycles

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