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## INTRODUCTION

Congratulations on your purchase of a Santa Cruz, one of the finest suspension bikes available! This manual is intended to provide model specific technical, safety and setup information. It should be used in conjunction with the owners manuals provided with the front and rear suspension components on your bike. If you did not receive these manuals you can contact your dealer, check the web sites of the manufacturers of those components for the latest downloads, or directly contact Santa Cruz Bikes customer service department at the number listed on the back cover of this manual.

Contained in this manual is information which could affect your safety if you fail to maintain or inspect your bicycle. The safety alert symbol and the word "Warning" indicates a potentially hazardous situation which, if not avoided, can result in serious injury or death. The safety alert symbol and the word "Caution" identifies a potentially hazardous situation which may cause minor or moderate injury or damage to your bicycle if not avoided.



**WARNING:** Please be sure to review and understand the instructions, warnings and contents of the manuals for your bicycle.

The Superlight / Juliana Superlight frame is intended to be used for cross country riding and is not intended for downhill racing, big jumps or riding large stunts. Santa Cruz recommends a periodic inspection of your bike to insure that no damage has occurred that may jeopardize the frame or bike's integrity. When inspecting your bike you should look for bent, cracked or broken components including: handlebars, stems, seat posts and pedals. Inspect areas of the frame near tube junctures, welds, or in areas of abrasions or dents. If any damage is present, stop riding your bicycle until it has been thoroughly inspected by a Santa Cruz dealer.



**WARNING:** Riding a bike with damage to the frame or components could lead to a potentially hazardous situation which, if not avoided, can result in serious injury or death.

## SUPERLIGHT / JULIANA GEOMETRY

### SUPERLIGHT GEO-CHART

	toptube	headtube	seattube	headtube°	seattube°	wheelbase	chainstay	bb height	standover	headset	seatpost	bb	fd (tp/ts)
small	21.8"/ 55.4cm	3.5"	16.5"	71°	74.0°	41.0"	16.7"	12.3"/ 31.2cm	27.9"	1.125"	30.9mm	68mm	34.9mm
medium	23.0"/ 58.4cm	3.9"	17.5"	71°	73.5°	42.1"	16.7"	12.3"/ 31.2cm	28.7"	1.125"	30.9mm	68mm	34.9mm
large	24.0"/ 61.0cm	4.3"	19.5"	71°	73.5°	43.1"	16.7"	12.3"/ 31.2cm	28.8"	1.125"	30.9mm	68mm	34.9mm
x-large	25.0"/ 63.5cm	5.1"	21.5"	71°	73.5°	44.1"	16.7"	12.3"/ 31.2cm	29.0"	1.125"	30.9mm	68mm	34.9mm

• geometry based on 471mm axle to crown.

### JULIANA GEO-CHART

	toptube	headtube	seattube	headtube°	seattube°	wheelbase	chainstay	bb height	standover	headset	seatpost	bb	fd (tp/ts)
x-small	20.5"/ 52.1cm	3.5"	15.0"	70.5°	74.0°	40.0"	16.7"	12.3"/ 31.2cm	27.8"	1.125"	30.9mm	68mm	34.9mm
small	21.8"/ 55.4cm	3.5"	16.5"	71.0°	74.0°	41.0"	16.7"	12.3"/ 31.2cm	27.9"	1.125"	30.9mm	68mm	34.9mm
medium	23.0"/ 58.4cm	3.9"	17.5"	71.0°	73.5°	42.1"	16.7"	12.3"/ 31.2cm	28.7"	1.125"	30.9mm	68mm	34.9mm

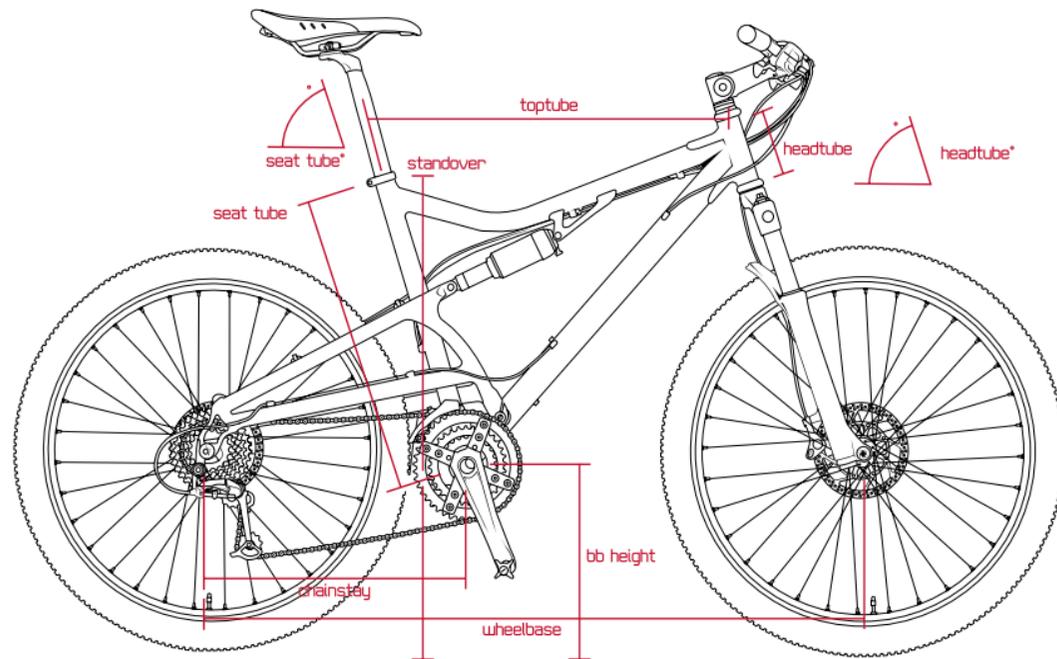
• geometry based on 471mm axle to crown.

Headset: 1 1/8"  
 Seatpost: 30.9mm  
 Front derailleur clamp: 34.9mm  
 Seat collar size: 34.9mm  
 Rear hub spacing: 135mm  
 Bottom bracket shell: 68mm

XS, S Juliana Superlight & S Superlight  
 Shock eye to eye: 6.5"  
 Shock stroke: 1.5"  
 Rear wheel travel: 100mm  
 Shock front hardware: 22mm x 8mm  
 Shock rear hardware: 22mm x 8mm

L Juliana Superlight & M, L, XL Superlight  
 Shock eye to eye: 7 7/8"  
 Shock stroke: 2"  
 Rear wheel travel: 100mm  
 Shock front hardware: 22mm x 8mm  
 Shock rear hardware: 22mm x 8mm

## GEO-CHART



## FRAME FEATURES

- |             |                     |                       |
|-------------|---------------------|-----------------------|
| 1 TOPTUBE   | 6 CHAINSTAYS        | 10 UPRIGHTS           |
| 2 HEADTUBE  | 7 DROPOUTS          | 11 REAR SHOCK         |
| 3 DOWNTUBE  | 8 DERAILLEUR HANGER | 12 REAR SHOCK EYELET  |
| 4 SEATTUBE  | 9 MAIN PIVOT        | 13 FRONT SHOCK EYELET |
| 5 SEATSTAYS |                     |                       |

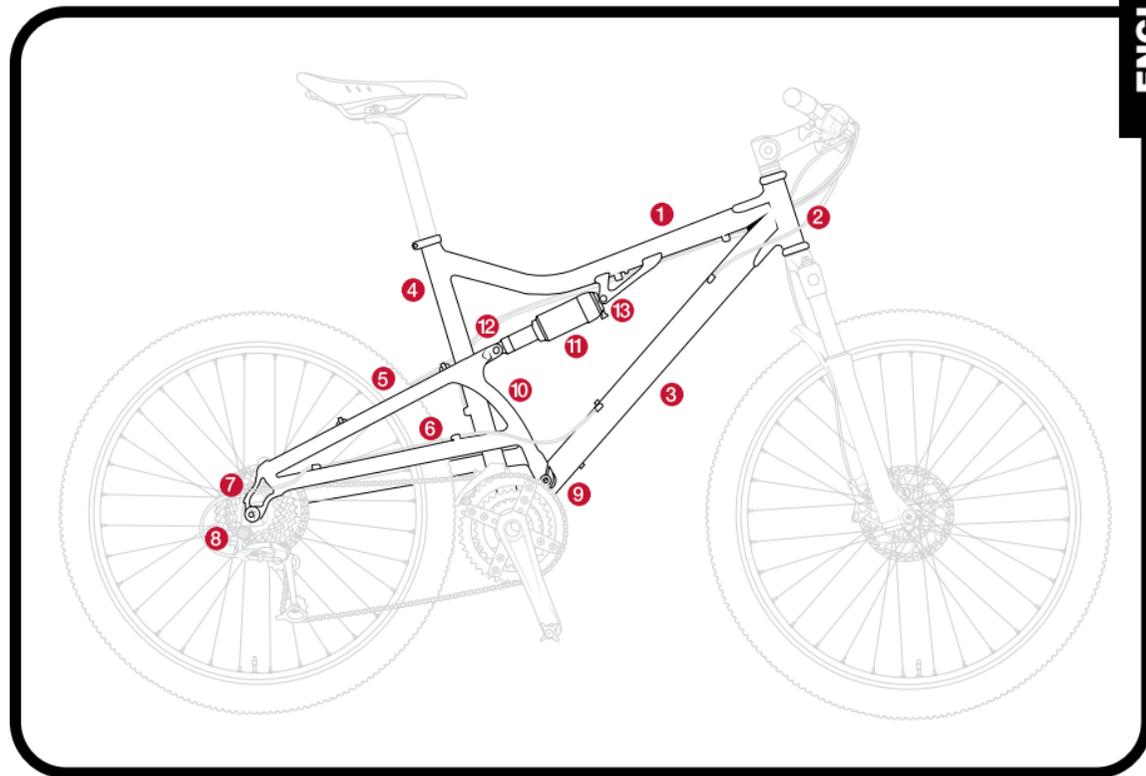
## SEAT POST SET-UP

Your Santa Cruz frame comes equipped with a seat post which has an outside diameter of 30.9mm. It is important to maintain a minimum insertion depth of your seat post in the seat tube of your frame. Please refer to the seat post manufacturer's setup instructions for proper insertion depth.

If you are not able to obtain the correct saddle height while following the minimum insertion guidelines replace the seat post with a longer one.



**CAUTION:** Failure to install your seat post with the proper insertion depth can compromise the integrity of your frame.



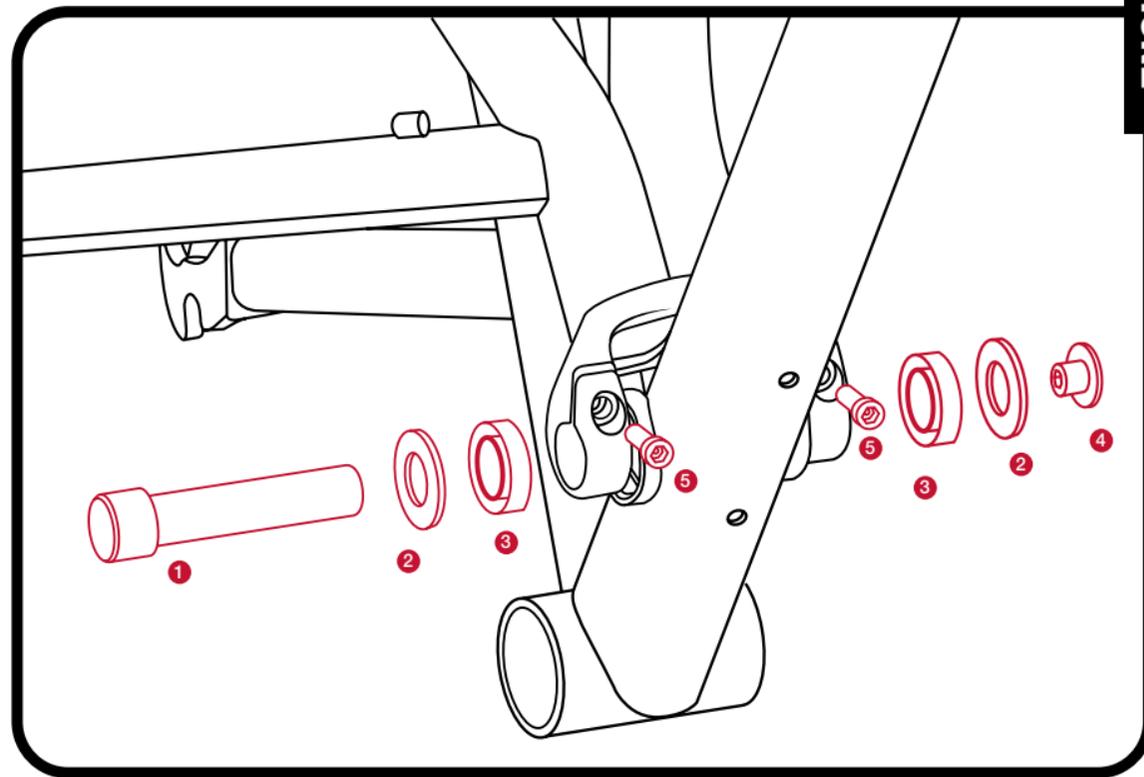
## FRAME HARDWARE KITS

### SUPERLIGHT PRO PACK - PART # 04-05069

PART	DESCRIPTION	QUANTITY	TORQUE SPECS	OTHER
1	PIVOT THRU AXLE SL	1		
2	PIVOT DUST SHIELD AL	2		
3	7902 2RS MAX BEARING	2		Loctite 680
4	PIVOT AXLE NUT SL	1	70 in lbs.	Loctite 242
5	M6 x 1.0 x 14 LOW SHCS 18-8SS	2	65 in lbs.	Loctite 242

### BEARING KIT - PART # 04-05071

3	7902 2 RS MAX BEARING	2		Loctite 680
	LOCTITE 680 .5ml	1		



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Please check the Superlight / Juliana tech info section of our website for detailed installation instructions at [www.santacruz bicycles.com](http://www.santacruz bicycles.com).

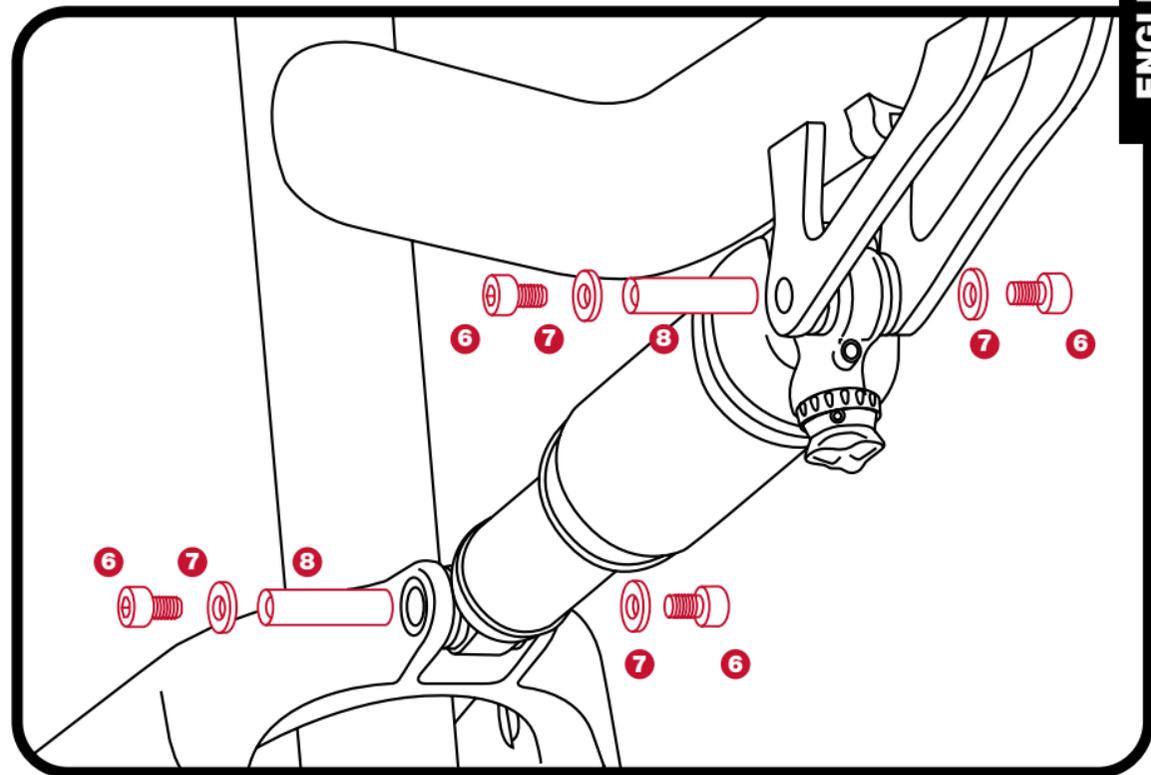
## FRAME HARDWARE KITS

### SUPERLIGHT PRO PACK - PART # 04-05069

PART	DESCRIPTION	QUANTITY	TORQUE SPECS	OTHER
6	M5 x 8 x 8 SHCS 18-8SS	4	90 in lbs.	Loctite 242
7	M5 FLAT WASHER AN960-C10 18-8SS	4		
8	SL FRONT SHOCK AXLE SS	2		
<b>FOX BUSHING KIT - PART # 04-05068</b>				
	FOX AIR SL/JULIANA REDUCER	2		

CONTINUED FROM PAGES 6-7

Please check the Superlight / Juliana tech info section of our website for detailed installation instructions at [www.santacruz bicycles.com](http://www.santacruz bicycles.com).



## REPLACEABLE DERAILLEUR HANGER

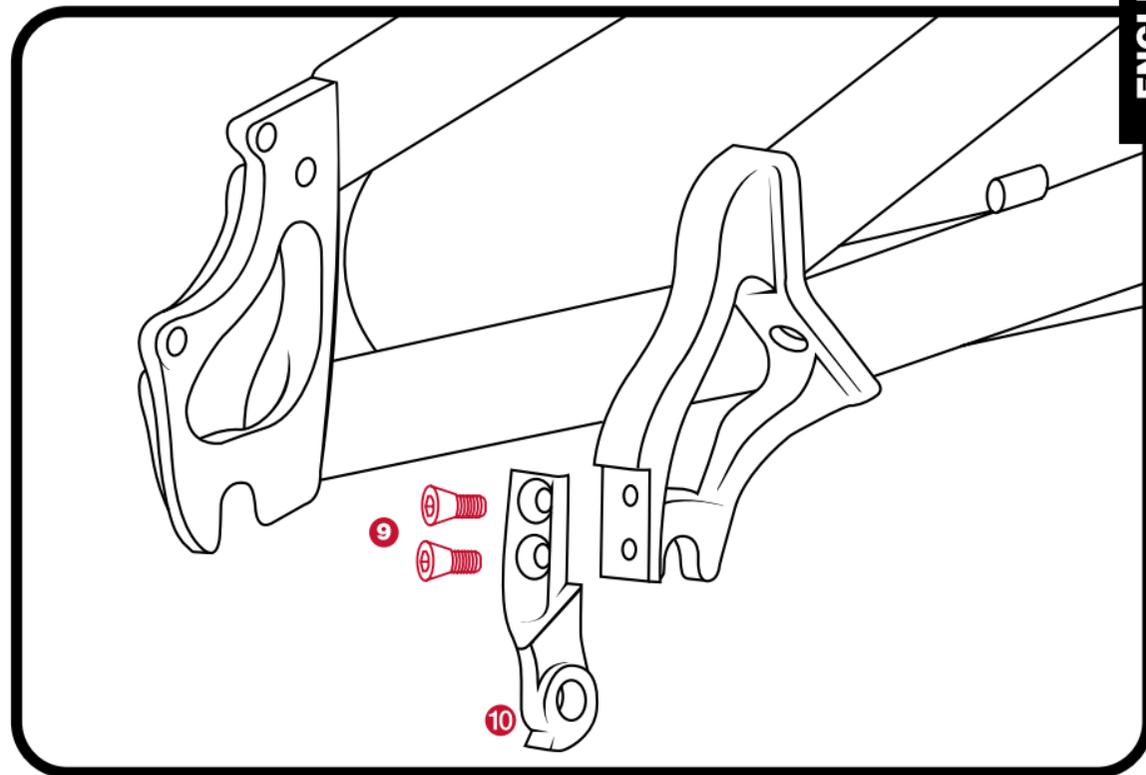
### DERAILLEUR HANGER KIT - PART # 04-05070

PART	DESCRIPTION	QUANTITY	OTHER
9	M5 x 8 x 10 FLATHEAD SL DERAILLEUR HANGER BOLTS	2	Loctite 242
10	SL DERAILLEUR HANGER	1	

Your Juliana Superlight or Superlight frame is equipped with a replaceable derailleur hanger should you bend or break the part that came equipped on your bike. The diagram below shows the hanger and two mounting bolts used to attach the hanger to the dropout.

The replacement part number for the kit which includes the derailleur hanger and two mounting bolts is 04-05070. This kit can be obtained from your dealer or from Santa Cruz Bicycles directly.

Please check the Superlight / Juliana tech info section of our website for detailed installation instructions at [www.santacruz bicycles.com](http://www.santacruz bicycles.com).



## MAXIMUM FORK TRAVEL

Your Juliana Superlight or Superlight frame was designed to be used with a fork measuring up to 120mm of travel. When considering replacement of the fork that originally came equipped on your bike, it is important not to exceed this maximum travel measurement.

 **WARNING:** The Superlight and Juliana Superlight frames are compatible with forks of 120mm of travel or less. Installing a fork with more travel can compromise the integrity of your frame and could lead to a potentially hazardous situation which, if not avoided, can result in serious injury or death.

## REAR SHOCK SET-UP

**Sag:** Sag is the amount a shock compresses when a rider (wearing full riding gear) mounts a bike in a normal riding position with weight distributed to saddle, pedals and handlebars. Measuring sag is important for your suspension to work properly and can be accomplished in one of two ways.

- 1) If your shock is equipped with an o-ring on the shock shaft, slide the o-ring up against the scraper lip of the air sleeve. Mount the bike taking care not to bounce on the pedals or saddle. Dismount the bike and measure the distance (or sag) from the scraper lip to the o-ring.
- 2) Before mounting the bike, measure the distance from the center of the shock mount bolt that attaches your shock to the front triangle to the center of the shock mount bolt that attaches your shock to the swingarm (known as eye-to-eye). Mount the bike taking care not to bounce on the pedals or saddle. While on the bike, ask a friend to take another measurement of the eye-to-eye. Subtracting the value obtained in the second measurement from the first will determine sag.

Please refer to the Santa Cruz setup guide that came with your frame for the specific settings. Please keep in mind that the values in this chart are designed as a starting point only. Modifications to these settings could be made during ride testing on the trail.

**Rebound:** Rebound is the rate at which the shock returns after it has been compressed. Rebound setting vary from rider to rider and change with rider weight, riding style and trail conditions. Typically riders will set rebound slower for lower speed bigger hits and faster for higher speed smaller bumps. A good rule of thumb is that rebound should be as fast as possible without kicking back and pushing the rider off the saddle.

 **CAUTION:** Please refer to the manufacturer's owners manual for the particular fork or shock that came equipped on your bicycle for specific suspension settings and adjustments.

## SANTA CRUZ BICYCLES LIMITED WARRANTY

### LIMITED FRAME WARRANTY

Santa Cruz Bicycles will repair or replace at its option any frame or suspension component it determines to be defective. The warranty will be in effect for two years from the date of sale and applies to the original owner. This warranty does not cover shipping, disassembly, reassembly or custom finishes.

### LIMITED NO-FAULT REPLACEMENT

Santa Cruz Bicycles will make replacement parts available to the original owner at a minimal charge in the event of a crash or other non-warranty situation for three years from the date of original purchase.



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# **SANTA CRUZ** **BICYCLES**

## **SUPERLIGHT/JULIANA** **OWNERS MANUAL**