

1999



NORCO
PERFORMANCE BIKES
"the adventure of cycling"

racing series

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i n t r o d u c t i o n

What are your goals for 1999? Competitive racing? Blasting down gnarly descents? Ripping up single track? Getting away on weekend adventures? Commuting? Or just heading down to the corner store? No matter what your goals, if you have a Norco bike, you've got what it takes! At Norco, our commitment to quality, value, durability, and above all increased performance, means that our bikes will provide you with years of safe riding fun.

Our location on the rugged West Coast of Canada allows us to conduct real-world testing in some of the most demanding conditions in the world. We incorporate feedback from Norco's Pro Team, our R&D staff, and comments from riders like yourself to produce bikes that will meet your needs, no matter what they are.

All of our 1999 bikes fall into one of four categories - Racing, Performance, Adventure, and Expedition Series. These categories have been designed to assist you in determining which model is best suited to your style of riding. Just look for the series icon next to each bicycle.

Racing Series: From Downhill to Cross-Country, our racing series provides bikes of uncompromising quality and attention to detail. Dual-Suspension bikes that allow the rider to customize the bike's geometry depending on their personal riding needs, and hardtails bred from the bone-jarring single-track of the West Coast. These bikes will get you from start to finish quickly and confidently.

r a c i n g s e r i e s

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p e r f o r m a n c e s e r i e s

Premium frames combined with quality components. These bikes are strong, smooth, and built to last. Select from a wide range of aluminum or chromoly models with or without suspension forks. Regardless of the terrain, Performance Series bikes will handle anything you throw at them, and keep coming back for more!



a d v e n t u r e s e r i e s

Looking for the freedom to explore? Adventure Series bikes are suited for the whole family at prices that won't break the bank. Reliable components designed with comfort in mind and frames made for easy handling result in bikes that are pure pleasure to ride.



e x p e d i t i o n s e r i e s

For the ultimate in multi-purpose bicycles look to our Expedition Series. Strong frames can be outfitted with panniers and racks for everything from a major tour to a quick trip to the grocery store. Features include 700 C wheels for low rolling resistance, and your choice of two styles of handlebar setups - an aerodynamic drop bar, or a comfortable upright bar. Norco Expedition Series bikes are the perfect choice in style and comfort for urban commuting and touring.





vps-1

one

The ultimate dual-suspension bike. Tackling switchbacks, steep descents and sailing over big drops requires confidence in your equipment. The 1999 VPS-1 takes a big juicy bite out of all challenges with its innovative component package and its proven race suspension design.

> Tough 6061 T-6 monocoque swing link suspension frame with 5.5" to 6.5" of adjustable rear wheel travel.

> Fox Variable R adjustable rear shock for a super-plush feel and unparalleled ride.

> Marzocchi's new Monster T triple clamp fork with 180-mm of travel. The ultimate in front wheel suspension.

> Shimano XT rear derailleur and GripShift 9 speed shifter provides responsive shifting.

> Hayes rear disk brake and Magura Torque rear hydraulic controllers for awesome stopping power.

> Race Face single chainring cranks for strength and stiffness combined with a Sun/Ringle chain tensioner.





If you want an all-mountain bike that can do it all take a look at the VPS-2. An adjustable rear suspension kit suits any riding style, from fire road descending to technical single track.

> Tough 6061 monocoque swing link frame with adjustable rear wheel travel from 4" to 5".

> Fox Vanilla R adjustable rear shock.

> Marzocchi Z-1 Drop-off fork, new for 1999 with 5" of travel.

> Hayes cable actuated disk brake up front, Shimano LX V-Brake at the back.

> 9-speed drivetrain with new Gripshift Quartz shifters and XT derailleurs.

> Race Face cranks for positive and precise power transfer.

> Tough Sun Kyno-Lite rims with DT Stainless spokes and WTB Tyanoreptor tires.

vps-2



photo by roxy tucker /
coast mtn photography

A fully suspended cross-country bike that can eat up punishing climbs while at the same time smooth out the trail on the way down. The rear suspension helps the rear wheel suck up the bumps and rocks on climbs that could cause a hardtail spinout. The race ready bike will turn heads!

> Mid-pivot active rear suspension frame. The specially placed pivot point reduces pedal induced compression for maximum efficiency.

> Fox Vanilla R adjustable rear shock gets the most out of our frame design.

> Marzocchi Z-2 Alloy suspension fork to help you over bumps and drops.

> Shimano XT rear derailleur with LX Front and Rapidfire Plus shifters for flawless gear changes.

> Shimano LX 4-arm cranks look great and provide crisp and clean pedaling shifts.

> LX Shifters and levers for precise and predictable speed control.

> Strong Sun Rymo-Lite rims hold onto middle Shimano LX alloy spokes. 32 stainless spokes. 32mm Enduro-style tires provide maximum traction.



xcs-1 FS

XCS-2^{RS}



The XCS-2 gives you dual-suspension performance and quality components at a reasonable price. This is a secret in cross-country applications because of its rear suspension and its full-blown geometry. Look to Norco for the best value in dual-suspension performance.

> Mid-pivot action rear suspension frame. The specially placed suspension point reduces pedal induced compression for maximum efficiency.

> Fox Vanilla run shock for comfort and a smooth ride.

> Marzocchi 2.5 suspension fork for 75-mm of bump heading travel.

> Quick shifting with 24-Speed Gephart Quartz shifters and Shimano XT rear derailleurs.

> Come to a stop in a hurry with a 50-10 V-Brake and 1.9L levers.

> Worry-free pedaling with Shimano STX-RC crankset and Shimano cartridge bottom bracket.

> Super strong Sun 28" double-walled rims with all braking surface, 31 Shimano spokes and STX-RC hubs make a tough wheelset that will stand up to the hardest drives.

> Panasonic FM XC fuses, Aeri stem, seatpost and rise bar will keep you stay in control at all times.



team Ti

five

A premium bike that delivers a premium ride.

Titanium is a great material for bicycle frames due to its inherent properties. It is lighter than steel and will not dent or bend like aluminum. It offers the rider a sweeter and more comfortable ride because of the shock absorption qualities, but is still stiff enough to be agile and nimble in the tightest single-track trails. We are making a limited number of these two-wheeled beauties so get yours fast. One ride on Team Ti, and you'll never go back to anything else!

> New for 1999 the Marzocchi Super Fly, the cross-country racer's suspension fork of choice.

> Full XTR group with Race Face cranks and a UN-77 cartridge bottom bracket delivers the highest possible level of performance. Any World Cup racer would be jealous!

> Axiom Anti-Gravity stem, seatpost and riser bar. Strong and light, these components are designed to perform.

> WTB SSTX leather cross-country saddle is comfortable and lightweight.

> Shimano 747 SPD pedals make sure your feet are firmly planted on the pedals for efficient transfer of power.

> Sun Sub 4 rims with ABT braking surface are laced to XTR hubs with DT Competition butted spokes. Surrounded by Panaracer Fire XC tires, you have a lightweight, high-performance wheelset that will get you through the toughest trails.





Equipped with the same components as our titanium race bike, the only difference is that they are hung on a Reynolds 853 frame. Over the last few years Reynolds 853 has become the frame material of choice for discerning riders all over the world. Discover why for yourself and ride the Team 853.

> Reynolds 853 air-hardened, heat-treated steel. Super-strong frames with the shock absorption qualities that you can only find in steel.

> Tough AFS stays that resist flex under rear wheel braking and absorb some of the shock transmitted from the rear wheel.

> Racing Series Hardtail geometry gives you a quick bike that is not only extremely agile in tight single track, but also stable on high-speed descents.

> Axiom Anti-Gravity stem, seatpost and riser bar. These components are light and strong. The rise bar puts the rider in a slightly more upright riding position, giving the rider more control and confidence when descending steep pitches and riding off large drops.

> Marzocchi Super Fly suspension fork. Hydraulic shock absorption in a sub 3 pound fork.

> XTR and Race Face components. Performance and reliability at the lightest weight possible.

photo by greg lee

team 853



Our top-of-the-line aluminum race rig. Start with a frame made with "Super-Light" Easton Taperwall tubing, add a mix of XTR and XT components and you've got a bike that will ride like a dream, not to mention impress the heck out of your friends!

seven

> Easton "Super-Light" Taperwall frameset with AFS stays give you lightweight and a responsive feel.

> Marzocchi Z-2 Atom Bomb suspension fork with external pre-load adjustment and rebound adjustment. Allows you to fine-tune your ride for any type of terrain quickly and easily without tools.

> Shimano XTR shifters and rear derailleur provide easy and flawless shifting at your fingertips.

> New Shimano 11-34T cogset offers a wide range of gears for getting up hills fast and getting down them even faster.

> Race Face forged cranks with CNC chainrings save weight and allow super-fast front shifts and quick power transfer.

> XT V-Brakes and levers deliver powerful braking power to the wheels predictably and smoothly.

> Shimano 535 SPD pedals ensure that the bike goes where you want.

> Sun Sub 4 rims with ABT sidewalls enhance braking performance and add strength. Shimano XT hubs, DT bent spokes and WTB Enduroaptor tires round out this high-performance race package.



torrent



rampage



Discover the difference steel makes. Reynolds ultra-light 531 chromoly gives the Rampage a backbone that other materials have a hard time matching. The forgiveness and shock absorption properties of chromoly are legendary, and the durability of a high quality chromoly frame is second to none.

> Marzocchi 7.3 Light gives you the fun of trail racing travel.

> Shimano XT drivetrain with Race Face forged cranks keeps the weight low and the performance high.

> Super responsive braking power with IX V-Brakes and levers.

> High quality, lightweight wheels with Shimano IX hubs, Sun's new Sub 4 rim, DT double-butted spokes and Panasonic Tite XC kevlar inner tubes.

> Accuon Anti-Gittery stem, seatpost and race bar for weight savings and superior control when the going gets tough.





nitro

nine

An aluminum racing machine for the masses.

Equipped with reliable Shimano LX components and supplemented with an XT rear derailleur, this bike is sure to be in high demand. Get one quick from a dealer near you because supply is limited, and when they're gone the only place you'll see one is ahead of you on the trail!

> Out of the box and ready to race.

> Marzocchi 7-4 suspension fork, new for 1999 allows you to easily float over trail obstacles.

> Full Shimano LX component package with an XT 9-speed rear derailleur gives you 27 smooth running, crisp-shifting gears.

> LX brake package provides stopping power equivalent to bikes costing hundreds of dollars more.

> Acorn stem, seatpost and seat bar for light weight and maximum strength.

> Comfortable Selle Italia SPX saddle colour coordinated with the frame.

> Sun Z1-T8 rims, LX hubs, stainless spokes and WTB Velocimeter tires will keep you rolling smoothly with minimum maintenance.





sasquatch

An affordable race bike, the Norco Sasquatch takes on all corners, and wins! Its Shimano drivetrain and Avid braking system means you don't have to worry about anything except hanging on and riding this off-road rocket!

> Reynolds 525 double-butted chromoly frame for maximum fatigue life and a sweet ride.

> New for 1999 the Marzocchi Z5 suspension fork gives you 75mm of trail-smoothing travel.

> Shimano STX-RC shifters and XT rear derailleur provides 24 speeds to make pedaling easy.

> STX-RC cranks look great and offer superior broad shifting performance due to their patented tooth patterns and ramps.

> Avid SD-10 VBrakes and 1.9L levers to stop you in your tracks.

> Cartridge bottom bracket and STX-RC hubs deliver performance and reliability.

> Selle Italia saddle with kevlar corners resist cuts and tears.

> Sun ZF-10 A&T rims, stainless spokes and Panaracer Fire XC tires provide sure-footed traction on all surfaces.



Lightweight aluminum frame based on our competition racing frame geometry. Hop on the Charger and hit the trails. The quality components are made to handle the harshest environments, and their reliability keeps you on the trails and out of the shop!

eleven

> Lightweight 7005 aluminum frame with AFS stays and a replaceable rear derailleur hanger.

> Manitou's new Spyder suspension fork cuts up the rough stuff with 70-mm of travel.

> Fast and precise shifting performance with Shimano Alivio 24 speed shifters, STX-RC rear derailleur, Alivio cassette and Alivio crankset.

> Avid SD-10 V-Brakes stop you quickly and confidently.

> Shimano cartridge bottom bracket and sealed Alivio hubs keep you rolling smoothly.

> Sun ZI-18 double-wall rims with ABT braking surface provide safety and strength.

> Panaracer's Fire XC 26X2.1 tires offer superior traction on all types of terrain.



charger



bigfoot

ps



Lightweight aluminum frame built on our competition racing geometry. Also on the Bigfoot is the fork. The quality components made to handle the harshest elements, and their reliability keep you on the trails and out of the shop.

> Lightweight 7005 aluminum frame with AIS stays and a replaceable dentiflex bridge.

> Manitou's new Spyder suspension fork cuts up the rough stuff with 100 mm of travel.

> Fast and precise shifting performance with Shimano Alivio 24 speed shifters, STX-RC rear derailleur, cassette and Alivio crankset.

> Avid 50-10 V-brakes stop you quickly and confidently.

> Shimano cartridge bottom bracket and sealed Alivio hubs keep you riding smoothly.

> Sun Zi-18 double-wall rims with A&T braking surfaces for extra safety and strength.

> Performance's Fast 26X2.1 tires offer superior traction on all types of terrain.

An off-road, race-proven, suspension-specific bike that shares the same frame as the lightest, light and strong, the Cypress can easily handle technical trails as well as more expensive bikes.

> Strong, light and responsive frame made with 7005 series aluminum with replaceable rear dropout hanger.

> RST 281 suspension fork to help you stay in control over the rough, tough stuff.

> New Shimano Centro 400 7-speed shifters with Aero-X rear derailleur gives you 21 gears for getting over the steep climbs and down the other side.

> Tekno V-Brakes and levers to get you stopped quickly and safely in all circumstances.

> Comfortable saddle with kevlar corners to prevent rips and tears.

> Strong double-walled rim, alloy quick-release hubs and stainless spokes keep you rolling smoothly over the roughest terrain.

> Aggressive Kenda off-road tires for all weather traction.



CYPRESS





kokanee

The Norco Kokanee is a true performer on or off the road. Its lightweight frame and high value component package lets you ride it just about anywhere!

> Full chromoly frame, (main tubes, fork and stays) with AFS stays for rigidity and stiffness under rear wheel braking.

> New for 1999, over-sized 1 1/8" headtube with a threadless stem for responsive steering control.

> Smooth shifting Shimano Altus 24-speed drivetrain with Axtra crankset provides precise shifting at your fingertips.

> Tektro V-Breaks and levers offer strong and steady braking power in all conditions.

> Shimano cartridge bottom bracket for worry free reliability.

> Oversize, quick-release hubs and alloy rims and stainless spokes give you strength and convenience in a lightweight wheelset.



A front suspension mountain bike at a great price! The Norco Wolverine offers a smooth, comfortable ride, a strong frame and quality components all at a reasonable price.

> Lightweight sloping top-tube frame with chromoly main tubes and AFS stays for flex free braking.

> SR 7500 suspension fork provides 2" of plush travel to tame trail obstacles.

> Shimano Acera-X rear derailleur and new EZ-Fire 21-speed shifters for clean, crisp shifts.

> High powered braking with Tekro V-Braes.

> Alloy rims and quick-release hubs for convenience and weight savings.

fifteen



wolverine

bush pilot



One of our most popular bikes, the Norco Bush Pilot is a favorite choice for people who are just beginning to explore off-road riding. Chromoly main tubes make it strong enough to handle tough terrain. Available in both men's and women's versions.

> Proven frame design features chromoly main tubes. Lighter and stronger than hi-tensile steel.

> Shimano Acera-X drivetrain and shifters with TY-40 crankset means shifting is easy, fast and precise.

> Powerful Tektex V-Brakes provide effortless braking response in any situation.

> Cartridge bottom bracket for maintenance free reliability.

> Super-soft foam saddle and light-weight alloy micro-adjust seatpost for a comfortable ride.

> Durable wheel set with alloy rims, alloy quick-release hubs and aggressive tread Kenda tires for superior traction on all types of surfaces.



Performance and affordability wrapped up in a nice clean package. The all-new 1999 Norco Scrambler will provide you with years of enjoyment for a lot less than you would imagine.

- > Durable oversized frame with chromoly top and down tubes.
- > Check out the new SR 6100 suspension fork featuring 2" of travel.
- > Never miss a shift with a reliable full Shimano drivetrain including 21-speed Revo shifters, TV30 rear derailleur, TV32 front derailleur and TV30 crankset.
- > V-brakes and levers and alloy rims for powerful braking in all weather conditions.
- > Quick-release front and rear wheels for easy off transport and maintenance.
- > Super soft foam "Comfort" saddle with lightweight alloy micro-adjust seatpost for a smooth ride.



scrambler





mountaineer

A value-packed mountain bike suitable for the whole family. The 1999 Mountaineer SL combines quality components and a rugged frame creating an unbelievable bargain! Men's and Women's models available.

> Super tough frame with chromoly and oversized tubes and AFS stays that resist flex under braking.

> 21-speed Shimano Revvo shifters with wide range Shimano gearing gets you up and down hills with ease.

> Braking is made quick and safe with V-style linear pull brakes and alloy rims.

> Shimano TF-30 crankset with patented tooth profiles to make front shifting easy and accurate.

> Quick-release front wheel allows for convenient storage and transport.



A durable 18-speed bike to get you around in style and comfort. And it's loaded with performance features!

nineteen

> Rugged oversize frame with AFS anti-flex stays.

> Quick and accurate gear changes with Shimano's new Revo 18-speed shifters and Shimano derailleurs.

> Triple front cranks provide a wide range of gears for all kinds of terrain.

> Alloy rims with V-style linear pull brakes for superior braking response in dry or wet weather.

> 40 degree rise stem adds comfort and puts all of the shifting and braking controls close at hand.

> Aggressive knobby tires provide excellent traction and enhance braking performance.



cherokee



axia



Whether you want a bike to take you across the country or just across town, the Norco Axia will get you there quickly and comfortably. Its 700 C wheels have less rolling resistance than regular mountain bikes and its strong, lightweight frame comes with braze-ons for a rear rack. Its upright handlebar setup is extremely comfortable, putting the rider in the best position to control the bike safely.

> 7005 series aluminum frame with complete braze-ons for rear racks and two water bottles.

> SR Hybrid suspension fork and a suspension seatpost to smooth out those rough roads and offer easy handling when the bike is loaded.

> Easy ascents and no spinouts with wide ratio Shimano Nexave 24 speed gearing.

> Outstanding braking response with Shimano Nexave V-Breaks with built-in power modulator.

> Customize your riding position with an adjustable stem.

> Durable alloy rims enhance braking efficiency. Shimano STD-RC hubs ensure reliability and hybrid multi-purpose tires reduce rolling resistance without sacrificing traction.



twenty-one

An aluminum frame, suspension fork, and Shimano components. For the ultimate in expedition performance you can't beat the Norco Avanti. Built to last, and with comfort in mind, you'll be tempted to ride your Avanti everywhere.

> The 5R suspension fork will enhance your comfort and control.

> 21 speed Shimano 800 group for quick, reliable shifting and powerful braking.

> Comfortable dual-density saddle combine with front suspension fork and suspension seatpost for a super-plush ride.

> Rise bars and adjustable stem lets you customize the riding position for maximum comfort without sacrificing safety.

> Shimano hubs and alloy rims make a strong, light wheelset that will perform well and last for years.

avanti





If you demand quality, performance and reliability at a reasonable price, check out the 1999 Norco Monterey. Equipped with a chromoly frame, name-brand components, and loaded with comfort features to minimize fatigue, your Norco Monterey will provide years of riding pleasure. Available in both men's and women's models.

> Reliable Nexus-300 21-speed gear system and V-Brake set for crisp, clean shifts and the ultimate in braking performance.

> An adjustable stem and riser bar offers a personalized fit and a more upright riding position.

> Super-soft spring saddle and a suspension seatpost smooth the ride so that you will think you're on a La-Z-Boy!

> Alloy hubs and rims, and Kenda Hybrid tires make a strong, light set of wheels that excel on a variety of surfaces.

monterey



As the name suggests, this is a bike that you can cruise on through the countryside with ease. However, don't let the name fool you. It's also great for commuting and just joy riding 'round the city. Hop on and enjoy!

> Durable hybrid frame featuring a chromoly frame, stays and fork.

> Shimano Acera EZ-Fire 21-speed shifters with an STX-RC rear derailleur ensures that your shifts are accurate and fast.

> Maximum braking power is attained through the use of Tekno V-Brakes.

> Cartridge bottom bracket and sealed hubs ensure reliability and long life.

> Spring saddle and suspension seatpost place a premium on comfort without sacrificing performance.

> Riser bar and an adjustable stem provide an upright, customized riding position.

> Easy rolling wheels with hybrid style tires and alloy rims.



vermont



rideau



A value-packed, multi-purpose bike with many of the features found on our more expensive models. Its reliability and comfort make it a hit among people who want a quality bike at a reasonable price. The Norco Rideau is available in both men's and women's models.

> A reliable frame design with chromoly fork and main tubes.

> Flawless shifting performance with Shimano El-Five 21-speed shifter and an Alfine rear derailleur.

> Worry free pedaling with Shimano TY30 crankset and TY30 cartridge bottom bracket.

> Stop quickly and confidently with Tektro V-Brakes.

> An exceptional, comfortable ride is standard with a spring saddle, suspension seatpost, rear fender and adjustable rise stem.

> Alloy rims and hubs, with Kenda Hybrid tires results in a wheelset that is durable, lightweight and smooth riding.





yorkville

twenty-five

Are you looking for a bike that is tough enough to ride on dirt roads and graded trails, but is more comfortable and easier to ride than a mountain bike? Consider the Norco Yorkville. Its expedition style frame and comfort enhancing features make it an excellent alternative to a mountain bike.

> This rugged frame utilizes a chromoly seat-tube to reduce weight and increase strength.

> Shimano's new 21 speed Revo shifters and Acera-X rear derailleur gives you high speed shifting performance with the flick of your wrist.

> Hi-rise handlebar and adjustable rose-stem provide a comfortable, upright riding position.

> Ultra-powerful braking with V-style linear pull brakes and levers.

> Quick-release, light alloy hubs with alloy rims provide convenience in a strong but light wheelset.





olympia

New for 1999, the Norco Olympia offers specialty shop quality at a fantastic price. As with all Norco bikes this bike is chock full of value. Features on the Olympia are found on many higher-priced bikes. We are sure you won't find a bike of equal quality at a lower price. Available in both men's and women's styles.

> Shimano Revvo shifters give you 18 gears to comfortably help you make the grade.

> Shimano rear derailleur for sure, clean shifting every time.

> V-style linear pull brakes for superior stopping power in all weather conditions.

> Hi-rise bar and adjustable rise stem provide a customized riding position, which maximizes comfort and safety.

> Alloy hubs with quick-releases and alloy rims result in a quality wheelset that will perform for years.



A premium quality touring bike for cyclists who demand the best. Unique frame geometry makes this bike easy to handle, even when fully loaded. The Terrene's high-quality component package will make this bike the envy of everyone in your group.

twenty-seven

- Lightweight, strong and versatile; the 7005 series aluminum frame and chromoly fork are fully accessorized for mounting a low-rider front rack, a rear rack, and bottle cages.

- Full Shimano 105T drivetrain including STI 9 speed dual-control shifter/brake levers, long cage rear derailleur, front derailleur, triple ring crankset, bottom bracket, front and rear hubs and 9 speed cassette.

- Superior stopping power is supplied by Tektro's new Mini V-Brake, which has been specially designed for use with road bike brake levers.

- Adjustable rise stem for a custom fit and alloy drop bars that provide numerous hand positions to minimize fatigue.

- Suspension seatpost and a Selle Italia XO saddle to smooth out those bumpy roads.

- Alloy rims with 36 holes for strong yet light wheels that can easily handle the load of a full touring bike.



terrene



alteres



A less expensive cousin to the Terrene. The Norco Alteres shares the same frame and fork as the Terrene; however, it is equipped with Shimano RSX components. If you want a high-quality touring bike at a great price, pick up a Norco Alteres, available only at Norco authorized dealers.

> Full braze-ons for racks and water bottles including fork mounts for low rider racks.

> Full RSX triple crank drivetrain including bottom bracket and STI 8 speed dual control shifter/brake levers and long cage rear derailleur.

> Specially designed Mini-V-Breaks from Tektro supply the stopping power needed to bring a fully loaded touring bike to a quick and safe stop.

> Adjustable rise stem and drop bars allow the rider to customize the riding position for comfort and efficiency.

> Selle Italia XO saddle allows you to enjoy the scenery in comfort.

> Strong double-walled rims by Alex, Shimano RSX hubs and smooth rolling, tough 700x35c tires.



Relaxation is the order of the day when you are riding a Sekine Nexus cruiser. Featuring a Shimano Nexus 4 speed internal gear system and a coaster brake on a classic cantilever style frame, you will be rolling in ultimate style. The Sekine Nexus is also available in a mens frame.



Sekine

The true "Cruiser." Guaranteed comfort and smooth riding with a classic cantilever frame, single speed, coaster brake, high-rise bars and a comfortable spring cruiser saddle. Comes with white-wall balloon tires for street or beach. Also available with a woman's step-through frame.

Santa Cruz



cape cod tandem

Cycling is twice the fun with the Norco Cape Cod. Featuring Shimano indexed 21-speed gearing, V-Brakes and levers brakes and light alloy 26" wheels. Get one at a dealer near you.



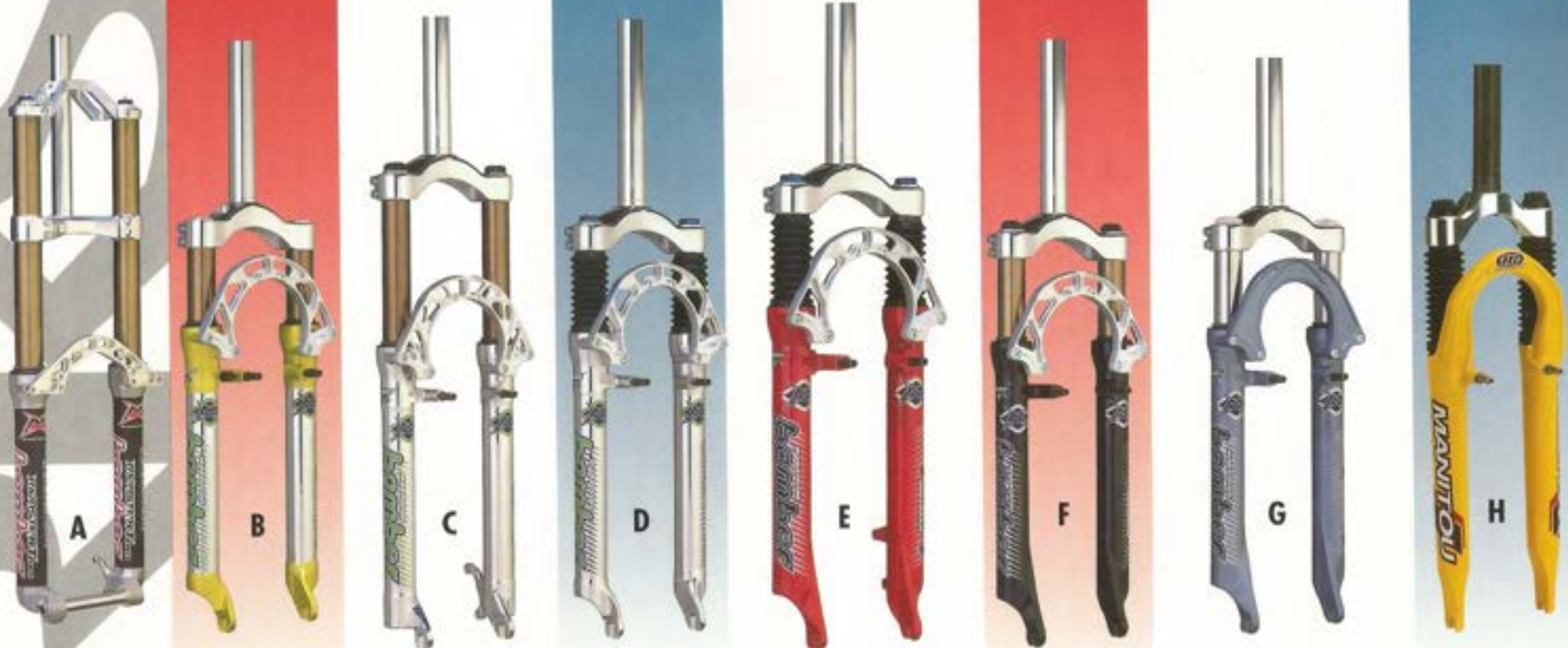
CAPE COD

evolution tandem

A great tandem package for you and a friend. Shimano STX gearing with grips shifters for reliability and quick gear changes. A chromoly frame and RST 381R suspension fork smooth out the ride up front, while a suspension seatpost keeps the stoker pedaling in comfort. 100mm V-Brakes and a threadless stem keep you in control. 40 hole, 26" alloy wheels keep you rolling along.



EVOLUTION



A. monster 1

> Secret test fork for over a year. Now available. > Triple clamp design provides unparalleled torsional stiffness. > Oversize upper and lower clamps, rigid brake arch and 20mm oversize through axle design add to stiffness. > 40mm stanchion tubes. Extra wide stance reduces twist and provides maximum steering control at high speeds. > Dual cartridges for superior adjustability. > New "Pro-Wind" coil spring offers a more progressive spring feel. > 180mm travel with disk brake mounts only. Weight is not relevant on this downhill specific fork.

B. super fly

> Marzocchi's first sub-3 lb. fork at 1,362 grams. > A lightweight cross-country racing suspension fork. > Same rigidity and strength as the Atom Bomb. > Air sprung and oil damped. > Large diameter stanchion tubes allows for the use of low air pressure. > Pressure is easily adjusted with a Schroeder valve located near each brake boss. > Speed Sensitive Valving based on proven "Open Bath" design. > SSV adjusters and rebound adjusters in each leg for the ultimate in tuneability. > B.A.M. forged alloy and CNC machined crown and legs. > 70mm travel with 5mm negative travel gives the rider 75mm of usable travel. > No disk brake mounts.

C. z-1 drop-off

> New fork for 1999. > Similar internals to the Z-3 Light and the Z-4 but with longer travel. > The feel of the fork can be changed by adjusting the oil height, the oil weight and the valve ports. > "Pro Wind" coil springs for a progressive spring feel. > New design forged B.A.M.-CNC brake arch for increased stiffness. > Forged B.A.M.-CNC sliders for lightness and strength. > 135mm travel. 1,800 grams, (4 lbs.). > 1998 standard disk brake mount.

D. z-2 atom bomb

> The most popular Bomber for 1998 is back with some improvements. > Single hydraulic cartridge for adjustability and negative travel design. > B.A.M. crown and lower legs and an Easton EA70 steer tube. > New progressive wound "Pro-Wind" springs for a more progressive, three-stage spring feel. > 75mm travel. 1,589 grams, (3.5 lbs.). > No disk brake mounts.

E. z-2 alloy

> The fork that started the Bomber revolution. > Single SSV adjustable cartridge. > Forged B.A.M. - CNC brake arch for added stiffness. > "Pro-Wind" coil springs. > 75mm travel. 1,725 grams, (3.8 lbs.). > 1997 standard disk brake mount.

F. z-3 light

> Proven "Open Bath" coil and oil design. > Speed Sensitive Valving controls oil flow through a series of holes and bushings creating progressive three stage damping performance without external adjust. > "Pro-Wind" coil springs. > Feel of fork can be adjusted by changing oil height, oil weight and valve porting. > B.A.M. alloy CNC brake arch, Easton EA70 stanchion tubes and steer tube. > 75mm travel. 1,770 grams, (3.9 lbs.). > 1997 standard disc brake mounts.

z-4

All the same great features as the Z-3 Light, but with a casted alloy brake arch and a steel steer tube.

G. z-5

> Air sprung, oil damped fork with original Open Bath design. > Speed Sensitive Valving as found on Z-3 Light and Z-4. > Air spring adjusted by Schroeder valves. > Tunable by changing oil height, oil weight and valve porting. > Chromoly stanchion tubes, steel steer tube. > 75mm travel. > 1997 standard disk brake mounts.

H. manitou spyder

> 1 piece die-cast magnesium legs and brake arch for stiffness. > Butted chromoly steer tube and stanchions. > Norglide bushings reduce friction, eliminate deflection and increase durability. > Micro-lube system allows you to lubricate the sliders with a standard grease applicator without disassembling the fork. > Ride worry free for up to 100 hours before tear down and cleaning is required. > Compression and rebound is controlled with MCUs and springs. > Adjustable with external pre-load adjusters. > 70mm travel. 1,630 grams, (3.6 lbs.). > No disk brake mounts.

hayes brake systems

Hayes has been making high performance braking systems for more than 40 years. Norco is proud to announce that we are using Hayes front disc brakes on two of our models for 1999. Our VPS-1 has a Full Open Hydraulic Disc Brake System, while our VPS-2 uses the Cable-Actuated Hydraulic Front Disc Brake System.

hayes open hydraulic system

Hayes patented open system eliminates brake fade and lockup due to fluid expansion. Excess fluid flows through port timing hole into a fluid reservoir as the fluid expands. The calipers use a fixed mount design. 2 pistons apply pad pressure on each side of the disc.

Each pad retracts away from the disc when the lever is released thereby eliminating "free running drag" which is present with floating mount designs. Special sintered metallic pad material and stainless steel disc provide long wear. Pistons self adjust for pad wear. As the brake pads wear down the caliper pistons automatically slide outward to compensate for the reduced pad thickness. Brake pads can be changed in seconds without using any tools. After some 52 designs, Hayes finally created a one piece stainless steel disc that is lightweight but won't warp or deform from the heat of heavy downhill braking.

hayes cable-actuated hydraulic system

> Compatible with all V-Brake levers. > Adjustable brake actuation point. > Fixed mount design caliper for positive pad retraction to ensure there is no "free-running drag." > Open hydraulic system caliper with fluid reservoir. As fluid expands the excess fluid flows into the reservoir thereby eliminating brake fade or lock up under heavy, prolonged braking. > No fluid lines to sever. Brake cables can be replaced on the trail. > Uses the same high quality brake pads and disc as the Full Hydraulic System > Pistons self adjust for pad wear. As the brake pads wear down the caliper pistons automatically slide outward to compensate for the reduced pad thickness. > Pads can be replaced in seconds without using any tools.

fox racing shox

In the mid-70's a motocross racer named Bob Fox decided that he was going to build himself a better shock absorber for his motorcycle. As a mechanical engineer he was able to design and build a high performance, externally adjustable, air-pressurized shock. In the years that followed, his company grew and he began making shocks for many applications, including some of the best bicycle shocks in the world! We are using 2 models for 1999. The Fox Vanilla R is used on the VPS-1, VPS-2 and XCS-1 while the Vanilla is used on the XCS-2.

vanilla r

> External coil over spring gives the rider a plush feel. > Internal floating piston. > Adjustable pre-load. > Nitrogen charged. > One-piece aluminum body. > 12 click external rebound damping. > Multi-valve piston. > Speed-sensitive rebound valve stack > Force-sensitive compression. The harder the hit the stiffer the shock will act to prevent bottoming out.

vanilla

> External coil over spring. > Internal floating piston. > Adjustable pre-load. > Nitrogen charged. > One-piece aluminum body. > One-piece eyelet. > Urethane bushings for long life and smooth functioning.

v-brakes

When Shimano introduced its V-brake a few years ago it set a new standard in bicycle brake technology. Since then, every brake manufacturer has developed a linear pull, long arm braking system similar to Shimano's V-Brake. V-Brakes have a softer feel at the lever, provide better modulation and supply significantly more braking power to the rim than cantilever style brakes. As a result, bicycle riding has become a more enjoyable and safer activity for everyone. All bikes in our 1999 product line come equipped with superior V-Brake technology.

Some new innovations in V-Brake technology are noteworthy.

Shimano has extended its parallel-push technology that was previously only available on XTR and XT brakes to its LX entry-level race series. As with XTR and XT brakes the pad remains square to the rim throughout its entire range of motion resulting in maximum pad contact with the rim and more powerful braking.

As in 1998, Shimano's Nexave series, which is used on a number of our Expedition Series bikes feature a built-in power modulator on the brake. The adjustable modulator varies the power output of the brake to ensure that the rider keeps control of the bike in severe, emergency braking conditions.

Tektro's development of a Mini V-Brake is an important breakthrough in road bike brake technology. Previously, road bike brake levers could not accommodate the cable pull requirements of regular V-brakes. The Mini V solves this problem. As a result you are now able to enjoy the benefits of V-Brake technology on touring bikes and road bikes.

riser bars

We have learned a number of things riding in the rugged and rugged-ass, unforgiving Pacific North-West. Not the least among them is that you have to be in a stable, balanced position to ride seriously steep terrain and big drop-offs. Riser bars help you get that position. By raising you up and away from your front wheel your weight is shifted back allowing to be more centered over your bike, and the wide set-up on most riser bars enhances stability. Climbing can also improve because your chest is opened up more and your shoulders will be more relaxed (because you won't be bent over so much), thereby allowing you to breathe easier.

comfort features

Here at Norco we place a great deal of importance on your comfort. Our Adventure Series and Expedition Series bikes have many features that make riding them easy and enjoyable.

> Lycra-covered spring saddles: These saddles provide a soft platform to allow you to ride comfortably. The springs act as shock absorbers, smoothing out the roughest roads and trails.

suspension seatposts

Seatposts with small shock absorbers built right into them. A lot of road shock is transferred from the rear wheel, straight up the frame and into the rider through the seatpost. By putting a shock absorber in the seatpost most of the roughness is absorbed before it gets to the rider resulting in a silky, smooth ride. When combined with a spring saddle you get a ride that is so comfortable you might forget that you're riding a bike!

micro-adjust systems

Often, people suffer back pain when riding a bicycle because their stem is too low. Adjustable stems allow you to adjust the rise of the stem, thereby eliminating stress on the back. By adjusting the rise you can set your handlebars in the optimum position for both comfort and safety.

hybrid suspension forks

For 1999 a number of our Expedition Series Hybrid bicycles have suspension forks as standard equipment. These forks smooth out all kinds of terrain and give riders more control and better handling in all situations. They also absorb road shock, which causes fatigue in the hands of riders who ride without front suspension.

t u b i n g

t i t a n i u m

The 1999 Norco Team Titanium introduces a new material to the Norco line-up. Norco is working closely with Ancotex, a U. S. company that specializes in the production of high-quality titanium bicycle racing frames. The Team Ti. uses 3-2.5 titanium, which produces a bicycle frame of unequalled strength. The inherent properties of titanium make for a forgiving and compliant ride, yet allow the frame to be stiff enough to accelerate quickly and dart through the tightest corners. Titanium is extremely dent resistant and will never rust and its incredibly long fatigue life means that the frame will outlast most cars.

r e y n o l d s

Reynolds revolutionary 853 tubing is renowned in the bicycle industry for its outstanding ride characteristics. Unlike other steels, this alloy increases in strength in the critical joint areas as it cools after welding. As a result, 853 delivers outstanding fatigue life, resists dents extremely well and is lightweight. For 1999 we have used Reynolds 853 tubing on the Team 853.

We had so much positive feedback about the 1998 Norco Rampage that we decided to use Reynolds 631 tubing again for the 1999 Rampage. 631 shares many of the same characteristics as 853 including its strengthening properties after welding. It has high tensile strength, a long fatigue life and is comparable in weight to the 853.

The 1999 Norco Sasquatch uses Reynolds 525 frame tubes. 525 chromoly is seamless and double-butted for incredible strength. With chromoly you can be sure you will get a lively and compliant ride. And with a name like Reynolds behind it, you can be assured of quality.

e a s t o n

Easton is the world leader in aluminum bicycle tubing. Everything from handlebars and forks to frame tubes are made with Easton aluminum. Easton taperwall tubes have been engineered to be light and strong. The 1999 Norco Torment uses Easton's new "Super-Light" tubing. With a low weight and a lively resilient ride feel, "Super-Light" tubing from Easton is one of the most popular, high performance frame tube sets on the "hike-a-bike" trails - and in the world.

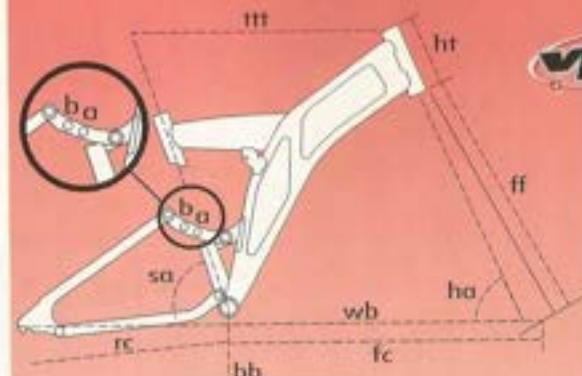
All Norco aluminum frames use replaceable rear derailleur hangers. In the case of an accident the hanger will break away which will save you the cost of an expensive frame repair, or replacement.



VPS "Variable Point Suspension" has evolved further for 1999 and can be found on the new VPS-1 and VPS-2. Both bikes provide a multitude of performance tuning options by varying the mounting position of the shock in the frame.

v p s - 1

The VPS-1 is a dedicated single chain ring descender. Travel is adjustable from 137mm up to 162mm. It features a longer wheel base, slacker head angles, and more bb clearance. The chart below indicates geometry changes that occur by modifying the shock mount location.



v p s - 1 g e o m e t r y

	mm/inch small	mm/inch medium	mm/inch large
S			
TTT	540/22.0	591/23.3	606/23.9
HT	150/5.9	150/5.9	150/5.9
RC	440/17.32	440/17.32	440/17.32
FC	684/26.93	694/27.32	694/27.32
WB	1121/44.13	1131/44.53	1131/44.53
FF	559/22.0	559/22.0	559/22.0
*BB	375/14.76	375/14.76	375/14.76
*HA	66°	66°	66°
*SA	71°	69°	69°

*Geometry based on hole "b"

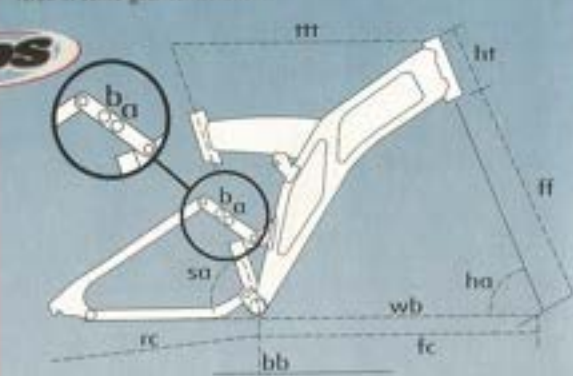
v p s - 1 v a r i a b l e t r a v e l & g e o m e t r y

hole	BB	HA	rear travel
a	398mm	67.9°	162mm
b	375mm	66°	137mm

Note: By changing to a shorter travel front fork, angles will increase and bb height will drop.

v p s - 2

The VPS-2 comes equipped with a triple front crank. Hole "b" is best suited for use with the triple crank, and will perform best in variable riding conditions. Hole "a" is best suited for descending. Norco recommends conversion to single front chain rings for this shock position. If this hole position is used with triple cranks front derailleur interference will be encountered in some gear combinations.



v p s - 2 g e o m e t r y

	mm/inch small	mm/inch medium	mm/inch large
S			
TTT	540/22.0	595/23.4	606/23.9
HT	137/5.4	137/5.4	137/5.4
RC	430/16.93	430/16.93	430/16.93
FC	671/26.42	675/26.57	675/26.57
WB	1100/43.3	1104/43.5	1104/43.5
FF	512/20.16	512/20.16	512/20.16
*BB	345/13.58	345/13.58	345/13.58
*HA	67.5°	67.5°	67.5°
*SA	72°	72°	72°

*Geometry based on hole "b"

v p s - 2 v a r i a b l e t r a v e l & g e o m e t r y

hole	BB	HA	rear travel
a	352mm	68.1°	136mm
b	345mm	67.5°	106mm

Note: By changing to a shorter travel front fork, head angles will increase and bb height will drop.

flow designs for 1999 the XCS models feature a mid chain ring pivot point that reduces bob and pedal induced suspension travel, while maintaining a very active feel. Designed for cross-country and all round terrain the new XCS models will deliver the ultimate in control, comfort and performance.



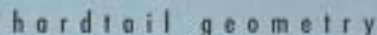
	mm/inch small/medium	mm/inch medium/large
S		
ITI	573/22.5	605/23.8
HT	120/4.7	145/5.7
IC	430/16.93	430/16.93
FC	638/25.12	670/26.38
WB	1067/42.0	1100/43.3
FF	442/17.4	442/17.4
*B8	325/12.8	325/12.8
*HA	71"	71"
*SA	72"	72"

max wheel travel 4 inches

g e o m e t r y k e y

s-seat tube length size
 tt-top tube (centre-centre)
 bb-bottom bracket height
 ha-head tube angle
 fl-front fork length & headset
 so-standover height

Racing and riding in the rugged west coast mountains has shaped our hard tail designs into what they are today. Their unique design features taller bottom brackets for increased clearance, longer top tubes and wheelbase for added stability, and long headtubes for a more upright position required for tackling steep descents.



	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch
S	381/15	425/17	475/18.5	510/20	560/22
TI	540/21.3	543/21.4	564/22.2	588/23.2	610/24
TTI	562/22.1	565/22.2	590/23.2	612/24.1	630/24.8
HT	100/3.9	116/4.6	130/5.1	145/5.7	166/6.5
RC	425/16.7	425/16.7	425/16.7	425/16.7	425/16.7
FC	623/24.5	625/24.6	641/25.2	661/26.0	680/26.8
WB	1046/41.2	1049/41.3	1064/41.9	1083/42.6	1104/43.5
FF	437/17.2	437/17.2	437/17.2	437/17.2	437/17.2
BB	305/12	305/12	305/12	305/12	305/12
HA	70.5"	71"	71"	71"	71"
SA	74"	74"	73"	72.5"	72.5"
SO	685/26.9	725/28.5	752/29.6	778/30.6	818/32.2

wb=wheel base
rt=theoretical top tube
rt=chain stays
fc=front centre
sa=seat tube angle
ht=head tube

	vps-1	vps-2	xcs-1	xcs-2
frames	Monopace 4061 Monopace swing link full suspension. VPS variable 4 to 5" adjustable Fork: 2100g. Steer: 1055 g. BB: 45.5m	Monopace 4061 Monopace swing link full suspension. VPS variable 4 to 5" adjustable suspension. Fork: 2500 g Bike: 23. lbs	Monopace 7305 mid post 4 inch full suspension. 4 inches rear wheel travel. Fork: 2100g. BB: 30.5m	Monopace 7305 mid post 4 inch full suspension. 4 inches rear wheel travel. Fork: 2300g. BB: 31.5m
fork	Marzocchi Bomber 2.5 150mm travel	Marzocchi Bomber 2.5 dropoff. 150mm travel	Marzocchi Bomber 2.5 75 mm travel	Marzocchi Bomber 2.5 75 mm travel
headset	"Dutch 408 1.1/8"	"Dutch 408 1.1/8"	"Dutch 408 1.1/8"	"Dutch 588 1.1/8"
cranks	Shimano SR 52, 68, 110mm	Race Face Forged/CNC 22-32-44T	Shimano Deore LX 22-32-44T	Shimano SR IC 22-32-44T
bottom bracket	Shimano BB 52, 68, 110mm	"Shimano SR 52, 68, 110"	"Shimano SR 52, 68, 110"	Shimano BB 110
pedals	Shimano 534	Shimano 534	SR clipless	SR clipless
chain	Shimano HG-73	Shimano HG-72	Shimano HG-72	Shimano HG-51
freewheel	Shimano HG 52/54/58/60/66/70/78/84/90/96/104/110/118/124/130/134/140/144/150/156/160/168/174/180/186/192/198/204/210/216/220/225/230/234/240/246/252/258/264/270/276/282/288/294/300/306/312/318/324/330/336/342/348/354/360/366/372/378/384/390/396/402/408/414/420/426/432/438/444/450/456/462/468/474/480/486/492/498/504/510/516/522/528/534/540/546/552/558/564/570/576/582/588/594/600/606/612/618/624/630/636/642/648/654/660/666/672/678/684/690/696/702/708/714/720/726/732/738/744/750/756/762/768/774/780/786/792/798/804/810/816/822/828/834/840/846/852/858/864/870/876/882/888/894/900/906/912/918/924/930/936/942/948/954/960/966/972/978/984/990/996/1002/1008/1014/1020/1026/1032/1038/1044/1050/1056/1062/1068/1074/1080/1086/1092/1098/1104/1110/1116/1122/1128/1134/1140/1146/1152/1158/1164/1170/1176/1182/1188/1194/1200/1206/1212/1218/1224/1230/1236/1242/1248/1254/1260/1266/1272/1278/1284/1290/1296/1302/1308/1314/1320/1326/1332/1338/1344/1350/1356/1362/1368/1374/1380/1386/1392/1398/1404/1410/1416/1422/1428/1434/1440/1446/1452/1458/1464/1470/1476/1482/1488/1494/1500/1506/1512/1518/1524/1530/1536/1542/1548/1554/1560/1566/1572/1578/1584/1590/1596/1602/1608/1614/1620/1626/1632/1638/1644/1650/1656/1662/1668/1674/1680/1686/1692/1698/1704/1710/1716/1722/1728/1734/1740/1746/1752/1758/1764/1770/1776/1782/1788/1794/1800/1806/1812/1818/1824/1830/1836/1842/1848/1854/1860/1866/1872/1878/1884/1890/1896/1902/1908/1914/1920/1926/1932/1938/1944/1950/1956/1962/1968/1974/1980/1986/1992/1998/2004/2010/2016/2022/2028/2034/2040/2046/2052/2058/2064/2070/2076/2082/2088/2094/2100/2106/2112/2118/2124/2130/2136/2142/2148/2154/2160/2166/2172/2178/2184/2190/2196/2202/2208/2214/2220/2226/2232/2238/2244/2250/2256/2262/2268/2274/2280/2286/2292/2298/2304/2310/2316/2322/2328/2334/2340/2346/2352/2358/2364/2370/2376/2382/2388/2394/2400/2406/2412/2418/2424/2430/2436/2442/2448/2454/2460/2466/2472/2478/2484/2490/2496/2502/2508/2514/2520/2526/2532/2538/2544/2550/2556/2562/2568/2574/2580/2586/2592/2598/2604/2610/2616/2622/2628/2634/2640/2646/2652/2658/2664/2670/2676/2682/2688/2694/2700/2706/2712/2718/2724/2730/2736/2742/2748/2754/2760/2766/2772/2778/2784/2790/2796/2802/2808/2814/2820/2826/2832/2838/2844/2850/2856/2862/2868/2874/2880/2886/2892/2898/2904/2910/2916/2922/2928/2934/2940/2946/2952/2958/2964/2970/2976/2982/2988/2994/3000/3006/3012/3018/3024/3030/3036/3042/3048/3054/3060/3066/3072/3078/3084/3090/3096/3102/3108/3114/3120/3126/3132/3138/3144/3150/3156/3162/3168/3174/3180/3186/3192/3198/3204/3210/3216/3222/3228/3234/3240/3246/3252/3258/3264/3270/3276/3282/3288/3294/3300/3306/3312/3318/3324/3330/3336/3342/3348/3354/3360/3366/3372/3378/3384/3390/3396/3402/3408/3414/3420/3426/3432/3438/3444/3450/3456/3462/3468/3474/3480/3486/3492/3498/3504/3510/3516/3522/3528/3534/3540/3546/3552/3558/3564/3570/3576/3582/3588/3594/3600/3606/3612/3618/3624/3630/3636/3642/3648/3654/3660/3666/3672/3678/3684/3690/3696/3702/3708/3714/3720/3726/3732/3738/3744/3750/3756/3762/3768/3774/3780/3786/3792/3798/3804/3810/3816/3822/3828/3834/3840/3846/3852/3858/3864/3870/3876/3882/3888/3894/3900/3906/3912/3918/3924/3930/3936/3942/3948/3954/3960/3966/3972/3978/3984/3990/3996/4002/4008/4014/4020/4026/4032/4038/4044/4050/4056/4062/4068/4074/4080/4086/4092/4098/4104/4110/4116/4122/4128/4134/4140/4146/4152/4158/4164/4170/4176/4182/4188/4194/4200/4206/4212/4218/4224/4230/4236/4242/4248/4254/4260/4266/4272/4278/4284/4290/4296/4302/4308/4314/4320/4326/4332/4338/4344/4350/4356/4362/4368/4374/4380/4386/4392/4398/4404/4410/4416/4422/4428/4434/4440/4446/4452/4458/4464/4470/4476/4482/4488/4494/4500/4506/4512/4518/4524/4530/4536/4542/4548/4554/4560/4566/4572/4578/4584/4590/4596/4602/4608/4614/4620/4626/4632/4638/4644/4650/4656/4662/4668/4674/4680/4686/4692/4698/4704/4710/4716/4722/4728/4734/4740/4746/4752/4758/4764/4770/4776/4782/4788/4794/4800/4806/4812/4818/4824/4830/4836/4842/4848/4854/4860/4866/4872/4878/4884/4890/4896/4902/4908/4914/4920/4926/4932/4938/4944/4950/4956/4962/4968/4974/4980/4986/4992/4998/5004/5010/5016/5022/5028/5034/5040/5046/5052/5058/5064/5070/5076/5082/5088/5094/5100/5106/5112/5118/5124/5130/5136/5142/5148/5154/5160/5166/5172/5178/5184/5190/5196/5202/5208/5214/5220/5226/5232/5238/5244/5250/5256/5262/5268/5274/5280/5286/5292/5298/5304/5310/5316/5322/5328/5334/5340/5346/5352/5358/5364/5370/5376/5382/5388/5394/5400/5406/5412/5418/5424/5430/5436/5442/5448/5454/5460/5466/5472/5478/5484/5490/5496/5502/5508/5514/5520/5526/5532/5538/5544/5550/5556/5562/5568/5574/5580/5586/5592/5598/5604/5610/5616/5622/5628/5634/5640/5646/5652/5658/5664/5670/5676/5682/5688/5694/5700/5706/5712/5718/5724/5730/5736/5742/5748/5754/5760/5766/5772/5778/5784/5790/5796/5802/5808/5814/5820/5826/5832/5838/5844/5850/5856/5862/5868/5874/5880/5886/5892/5898/5904/5910/5916/5922/5928/5934/5940/5946/5952/5958/5964/5970/5976/5982/5988/5994/6000/6006/6012/6018/6024/6030/6036/6042/6048/6054/6060/6066/6072/6078/6084/6090/6096/6102/6108/6114/6120/6126/6132/6138/6144/6150/6156/6162/6168/6174/6180/6186/6192/6198/6204/6210/6216/6222/6228/6234/6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front derailleur	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
rear derailleur	Shimano Deore XT	Shimano Deore XT	Shimano Deore XT	Shimano Deore XT
shifters	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
bar	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
stem	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
brakes	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
broke levers	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
hubs	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
rims	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
spokes	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
front & rear tires	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
saddle	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
seatpost	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
colours	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano SIK IC
sizes	S, M, L	S, M, L	S, M, L	S, M, L

	team-ii	team 853	torrent	rampage	nitro	sasquatch	charger	bigfoot	cypress	kokanee	wolverine
frames	R Reynolds SST main tubes. Fug Shot light AFS stays. Investment cast dropouts. 1m : 1850 Bkx 24.8s.	R Reynolds SST main tubes. Fug Shot light AFS stays. Investment cast dropouts. 1m : 1850 Bkx 24.8s.	Latham Superlight double bottom. AFS tapered stays with reinforced longerons. 1m : 1250g Bkx 13.56s.	R Reynolds 611 air hard-anod steel. AFS double bottom stays with forged dropouts. 1m : 1950g Bkx 25.43s.	R Reynolds 670S form-tubed 611 - AFS tapered stays with reinforced longerons. 1m : 1825g Bkx 24.71s.	R Reynolds S25 double bottom Chromoly. Double bottom stays with forged dropouts. 1m : 2150g Bkx 25.95s.	F005 Tri-Mountain. Ground down tube. AFS double stays with replaceable longerons.	F005 Tri-Mountain. Lighter down tube. AFS lighter stays with replaceable longerons.	F005 Tri-Mountain. Ground down tube. AFS double stays with reinforced longerons.	Chromoly Q/S top and down tubes. dual tapered chromoly AFS stays and semi-forged vertical dropouts.	Chromoly Q/S top and down tube with dual tapered AFS stays. Reinforced dropouts for direct mount rear changes.
fork	Mazzechi Super Fly 75 mm travel.	Mazzechi Super Fly 75 mm travel.	Mazzechi Z2Z Aero-Race. 75 mm travel.	Mazzechi Bomber Z3 75 mm travel.	Mazzechi Bomber Z4 75 mm travel.	Mazzechi Bomber Z5 75 mm travel.	Mazzechi Suppley. 75 mm travel. WGS / Spring.	KSF 3015. 50 mm travel. End spring/polymer.	KSF 301. 30 mm travel. End spring/carbon.	Chromoly long radius. 1.0" travel.	WTS200 Suspension Fork 1.0" travel.
headset	"WTB Aluminium R. 1 1/8"	"WTB Aluminium R. 1 1/8"	"Shimano ABS 1 1/8"	"Dietrich ABS 1 1/8"	"Shimano ABS 1 1/8"	Dietrich SRN 1 1/8"	Shimano SRN 1 1/8"	Shimano SRN 1 1/8"	Shimano SRN 1 1/8"	Shimano SRN 1 1/8"	SRN 1 1/8"
cranks	Bone Face Forged/CNC 22-32-44T	"Bone Face Forged/CNC 22-32-44T"	"Bone Face Forged/CNC 22-32-44T"	Bone Face Forged / CNC 22-32-44T	Shimano Sora 18-22-32-44T	Shimano SORA RC 4 mm 22-32-42 T	Shimano Alivio 22-32-42 T	Shimano Axon 24-32-42T	Shimano XT-F1 24-34-42T	Shimano Axon 22-32-42 T	Shimano 18-42 24-34-42T
bottom bracket	Shimano UN72 68/110"	"Shimano UN72 68/110"	"Shimano UN72 68/110"	Shimano UN-S2 68/110	Shimano UN-S2 68/110	Shimano UN-S2 68/110	Shimano UN-S2 68/110	Shimano SP-22	Cosmos	Shimano SP-22	SPL 2
pedals	Shimano 242	Shimano 242	Shimano 225	VF diplex	VF diplex	VF diplex	VF diplex	Vicor Alloy cage	Vicor 872	Vicor 872	Vicor 222
chain	Shimano HG-72	Shimano HG-72	Shimano HG-72	Shimano HG-72	Shimano HG-72	Shimano HG 51	Shimano 611	ONE 272	ONE 201	ONE E72	Kate 243
freewheel	Shimano XTR 11-34T 8 Spl.	Shimano XTR 12-34T 9 Spl.	Shimano XT 11-34T 9 Spl.	Shimano LX 11-32T 9 Spl.	Shimano CX 11-32T 9 Spl.	Shimano HG 11-30T 8 sp.	Shimano HG 11-30T 8 sp.	Shimano HG 11-30T 8 sp.	Shimano HG 11-30T 8 sp.	Shimano HG 11-30T 8 sp.	Shimano HG 11-30T 8 sp.
front derailleur	Shimano XTR	Shimano XTR	Shimano Deore XT	Shimano Deore XT	Shimano Deore XT	Shimano SX HC 28.4	Shimano Alivio	Shimano Alivio	Shimano Alivio	Shimano Alivio	Shimano Alivio
rear derailleur	Shimano XTR	Shimano XTR	Shimano XT	Shimano Deore XT	Shimano Deore XT	Shimano Deore XT	Shimano XTR XT	Shimano Alivio	Shimano Deore XT	Shimano Alivio	Shimano Deore XT
shifters	Shimano XTR Rapidfire	Shimano XTR Rapidfire	Shimano XTR Rapidfire	Shimano XT Rapidfire	Shimano XT Rapidfire	Shimano SX HC Rapidfire	Shimano Alivio Rapidfire	Shimano Alivio Rapidfire	Shimano Deore XT Rapidfire	Shimano Alivio Rapidfire	Shimano Deore XT Rapidfire
bar	Axiom composite	Axiom composite	Axiom 30 mm steel	Axiom 30 mm steel	Axiom 30 mm steel	Axiom 30 mm steel	Axiom 30 mm steel	Nurture Bar bar	Axiom 30 mm steel	30 mm steel Saddle	30 mm steel
stem	Axiom Pro Threadless	Axiom Pro Threadless	Axiom Pro Threadless	Axiom Pro Threadless	Axiom Camp Threadless	Axiom Camp Threadless	Axiom Camp Threadless	Nurture Threadless	Axiom Threadless	Nurture Threadless	Selle 80P wire
brakes	Shimano XTR V-brakes	Shimano XTR V-brakes	Shimano XT V-brakes	Shimano LX V-brake	Shimano CX V-brake	Avid SB-1.0 V-brakes	Avid SB-1.0 V-brakes	Shimano Alivio V-brakes	Tektro V-brakes	Tektro V-brakes	Tektro V-brakes
brake levers	Shimano XTR	Shimano XTR	Shimano XT	Shimano LX	Shimano LX	Avid SB-1.0 V-brake	Shimano Alivio	Tektro V-brake	Tektro V-brake	Tektro V-brake	Shimano Alivio E
hubs	Shimano XT	Shimano XTR	Shimano Deore XT	Shimano LX	Shimano LX	Shimano SX HC	Shimano Alivio front & rear	Shimano Alivio rear	Shimano Deore rear	Shimano Alivio rear	A-C alloy 7 speed
rims	SUN Sub 4 32 H	SUN Sub 4 32 H	SUN Sub 4 32 H	SUN Sub 4 32 H	SUN 21-18 double wall	SUN 21-18 double wall	SUN 21-18 double wall	SUN 21-18 double wall	SUN 21-18 double wall	Alu 34R	Alu 24 Tube
spokes	ST 38 stainless	ST 38 stainless	ST 38 stainless	ST 38 stainless	ST 38 stainless	Spindles 2.0	Spindles 2.0	Spindles 2.0	Spindles 2.0	Spindles 2.0	SPC 24G
front & rear tires	Panasonic Fire 24"x2.1 Road	Panasonic Fire 24"x2.1 Road	WTB Venture Exp. 24"x2.1 Road	Panasonic Fire 24"x2.1 Road	WTB Venture Exp. 24"x2.1	Panasonic Fire 24"x2.1	Panasonic Fire 24"x2.1	Kenda Dendure and Smooth	Kenda Dendure and Smooth	Kenda Dendure and Smooth	Kenda with gel stops
saddle	WTB seat	WTB seat	Selle Italia ST	Selle Italia XO	Selle Italia XO	Selle Italia XO	Selle Italia XO	Velo MTB	Selle Italia	Velo MTB	Velo MTB
seatpost	Evolution Composite	Evolution Composite	Axiom Pro	Axiom Pro	Axiom Camp	Axiom Camp	Alloy micro adjust	Alloy micro adjust	Alloy Micro adjust	Alloy micro adjust	Alloy micro adjust
colours	Black/Red/White	X Green	Dark Blue	White	Gold/Reinforced blue	Metallik Red	Gloss Black	Dark Green	Light Silver	Black Cherry	Matte Blue
sizes	14", 15", 16.5", 18", 20"	15", 17", 18.5", 20", 22"	14.5", 15", 16.5", 18", 20", 22"	15", 17", 18.5", 20", 22"	14.5", 15", 16.5", 18", 20", 22"	15", 17", 18.5", 20", 22"	14", 15", 16.5", 18", 20", 22"	15", 17", 18.5", 20", 22"	14", 15", 16.5", 18", 20", 22"	16", 18", 20", 22"	14", 15", 16", 18", 20", 22"

*all specifications subject to change without notice

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