# Torrothe

Escape Routes





# "The clearest way into the Universe is through a forest wilderness."

**JOHN MUIR 1838-1914** 

Our home. Where the green canopy and the forest floor remind us that a thousand years is not such a long time. Where there's an escape from all the little things that seem like such big things back in that other world of jobs, bills and being a grown-up. Perhaps it's impossible to ever truly know this place. Like all of us, it's always changing, growing, slipping towards eternity. Like our bikes, nothing is wasted and every part has its place and function. Our home. We can't bring it to you, but our bikes can take you there.

### the inspiration to make great bikes

Constant refinement remains our motto.

Paul Brodie's fertile mind keeps coming up with ways to advance mountain bike design. Bruce Spicer and some of Canada's best elite riders abuse and evaluate each innovation with hard core riding on Vancouver's infamous North Shore. The methods and technologies we've developed for our hand-built bikes filters through to every Brodie. Our prototype bikes, such as our downhiller with eight inches of rear travel and the Nexus drivetrain, are testing platforms for innovations and refinements designed to maximize speed, reliability and control.

> We adapt motocross technology, take racer feedback and improve our designs every year.

It's the
way we achieve
bike-building
perfection. And it

line-up of Brodies to suit every
rider. Those who live out
near the edge of the
envelope will be craving our
latest dual suspension
offerings. Our single-pivot
design delivers rear travel up to
4.5 inches, Brodie dual
suspension bikes carve their way
through high speed hits or
technical drops.



He's built over 4000 in his lifetime. Because Paul Brodie likes bikes. A lot. Maybe too much if the grease on his pyjamas is any kind of clue. OK, we're kidding. Paul doesn't wear pyjamas.



Others will appreciate the creative parts mixes we've put together to maximize value throughout our line-up. Every

bike has been spec'ed with a specific riding style in mind. Smaller riders will be digging our

size, taller ones will
drool over a chance to
get aboard a 22"
Brodie. We've continued
our work with aluminum with
new custom-drawn Airfoil tubes
and Easton's Rad tubing.

1999 sees the return of brodie's Gatorblade, a classic bomb-proof rigid fork. Also back this year is the Romax. All those mountain bikers who never thought they'd buy a road bike may have to eat their words! There's even a single-speed and a tandem to choose from in this year's line-up. And just like last year and every year that a bike has borne the Brodie name, we've, made sure that the Brodie reputation for quality, performance and value

See Spot. Spot is a one-speed custom hub.

Spot is strong and light. See Spot transfer riders' effort into forward motion with simplicity and efficiency.

Good Spot.

1999

is as rock solid as our bikes.

## OUR BIKES















# KINCHE Kinetic The kinetics way cool spec includes EX "V" brakes with parallel push, RockShox Judy XC fork and sizing up to 22% A Shimano XT rear detailleur and nine speed rear cogset provides the perfect gearing ratio for every incline. Brodie Custom Selected Tange Double/Quad Butted Cr-Mo Frame. New Rock Shox Judy "XC" LT with Hydra Coll, 80mm of plush traveledisk mounts New LX 9 spd RF+ shifters with LX Front & XT Rear Derailleurs, LX Brakes Shimano Original SPD pedals WTB SST Saddle & WTB Velociraptor tire Front & Rear Specific Brodie 5° Rise TIG Welded Stem & Brodie Aluminum Bar/w Serfas Grips











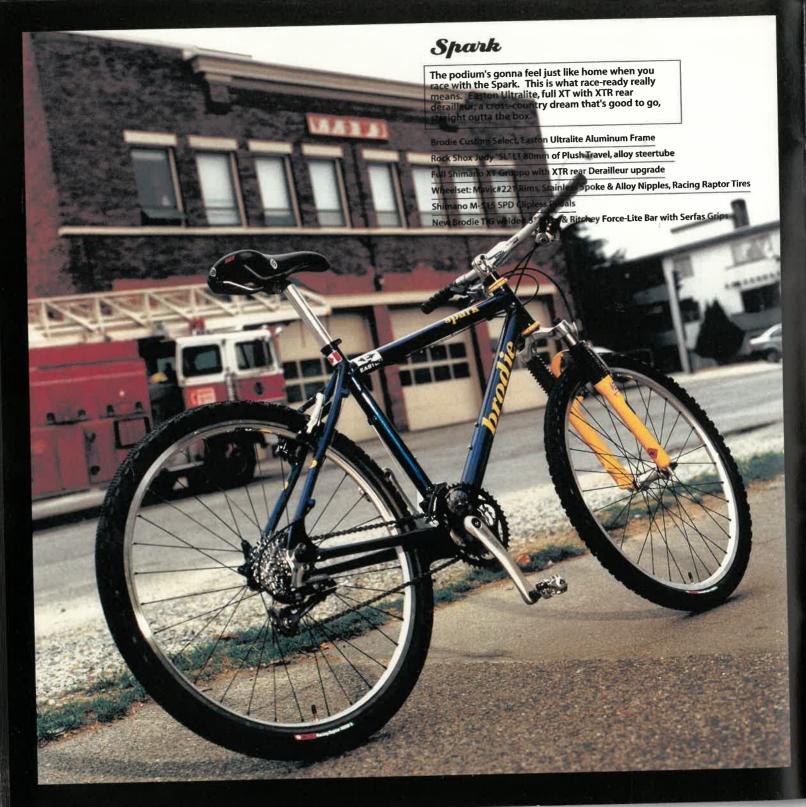
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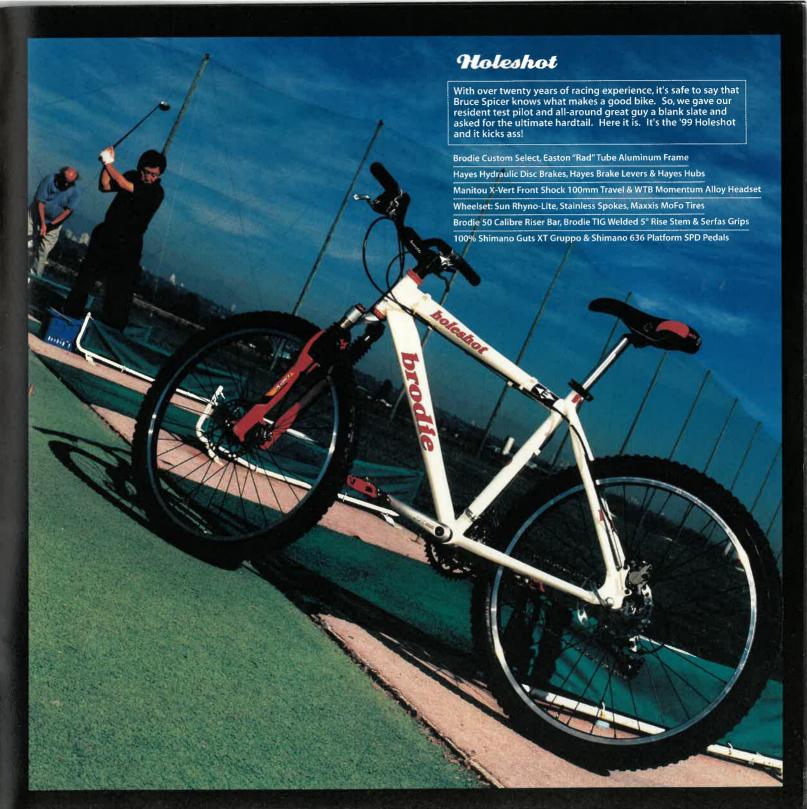
#### Voltage

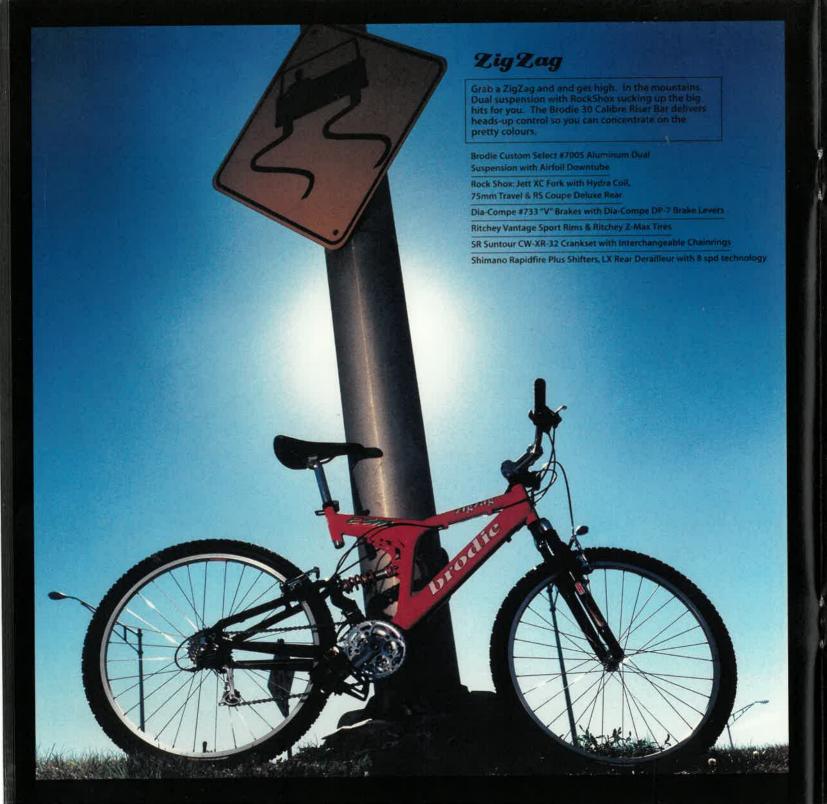
Hard-core riders need no-nonsense bikes. That's why we spec-ed the Voltage with a complete LX gruppo and an XT rear-derailleur upgrade, 41's the perfect example of Brodie thinking, build bikes that beg to be ridden hard.

Brodie Custom Selected #7005 Aluminum Frame wath Brodie Airfoil Downtube
New Rock Shox Judy "XC" LT with Hydra Coil, 80mm of plush travel, disc mounts
Complete Shimano LX 9 spd Gruppo with XT Rear upgfade & Shimano Spd's
Wheelset: Mavic Rims, Sfainless Spokes & Shimano LX Hubs

Shimano LX Parallel Push Brakes, AVID 1.9 Brake Levers with Speed Dial New Brodie TJG welded 5° Stem & Ritchey Force-Lite Bar with Serfas Grips

























## OUR DETAILS



At Brodie, we build our bikes with the finest quality cro-moly and aluminum tubes. Our roots are in creating handbuilt custom frames and the benefits of that experience can be seen in the sloping top-tube design pioneered by Paul Brodie, proven geometry, and distinctive features such as S-bend stays. Every Brodie rigid frame bike is designed to accept front suspension upgrades with up to 80mm of travel.



Rocks or roots, potholes or curbs, off-road or on, the wheels of a bicycle take a lot of abuse. At Brodie Bicycles we think that wheelsets are one of the most important specs on a bike. Onl top name rims like Sun Metal U.S.A., Ritchey, an Mavic grace Brodie bikes. Precision assembly, stainless steel spokes, and durable hubs ensure that Brodie wheelsets are of the finest quality.

From the Jett XC model upwards, RockShox's new Hydra Coil suspension system offers riders a supple, plush ride, low maintenance, and maximum tunability. The system is maintenance-free for up to 100 hours, offers a variety of linear spring rates, and the oil in each leg can be separately tuned. The Judy series all offer disc brake mounts and every Judy-equipped Brodie comes with the long travel (80mm) option. The top-of-the-line Judy SL features the new C3 cartridge with separate compression and rebound adjustments.





Clipless pedals deliver more power, better control, and are easy to use. Shimano offers a wealth of models such as the affordable 515, and the aggressive, platform 545 and 636. Some Brodies come equipped with Wellgo's new SPD upgradeable pedal so that new riders can make the switch to clipless efficiency at their own pace.



Our new "Airfoil" downtube is custom drawn, butted and shaped for maximum strength at the bottom bracket and headtube. With a 50mm diameter at the bottom bracket, and ovalized 59mm at the head tube. The Airfoil also features a closed box section at the headtube removing the need for gusseting yet still offering exceptional strength.



The TIG welded, anodized, double pinch Pilot st has the same Brodie quality commitment to qu as our frames. Our riser bars, the 30 and 50 Calil feature 6061 aluminum with a 3mm oversize w thickness for maximum strength and safety.



Easton Ultralite and RAD tubing leads the way in light, durable, race-ready bike frames. Easton's Taperwall tubes are cold-drawn, and feature smooth, long butts to optimize shock dissipation without loss of stiffness. The all new RAD tubing has an innovative headtube flare to give a solid, filled-in box construction, maximizing headtube strength and rigidity. At Brodie, we custom select the wall tapers on our selections from Easton to ensure the legendary Brodie ride.



Our single pivot, sealed bearing system for the rear swingarm on Brodie dual suspension bikes is tried and true technology. It offers performance, reliability, and ease of maintenance. Paul Brodie's experience with frame design translates into innovative designs that focus on performance, not gimmicks.



There's a lot of tires on the market. We've tested them all, and found the right skins for every Brodie. WTB, Maxxis, Ritchey, and Dynamo made the grade this year. In addition to picking the best traction and weight characteristics, check out the fast rolling semi-slicks, and super tough oversize units we've spec'ed.



The advent of dual suspension has meant new challenges for bike designers. There's a whole new world of things to think about when you s designing duallies. We've made sure that Brodit dual suspension bikes are the best around by making sure the bikes not only work, but they be adjusted for perfect fit with features like "ES [Elevated Seat Mast] designed for extra seatpoc clearance for maximum seat range adjustability

The Gatorblade is back. This blast from our past is the bomb-proof straight blade fork that helped start the Brodie reputation for bikes with strength, precise control, and light weight. Featuring 25 4mm diameter blades, fork crown offset, and forged dropout, the Gatorblade carves turns, smoothes out the road, and looks good doing it!





Once reserved for racing and high-performance riders, nine speed shifting is now available in Shimano's LX gruppo. Why so many gears? Because the secret to effective cycling is using your gears to maintain a steady cadence. Matched with Shimano's race-proven Rapidfire Plus shifters you can find the right gear fast.



Shimano has put a twist into shifting with their new Revo-Shifters. Now cyclists can choose from twist, or Rapidfire Plus trigger shifting and still stay with Shimano's proven performance. Either way, ease of use, low maintenance, and trouble-free operation is guaranteed.



Suntour's MG90 fork smoothes out the trail with 75mm of travel, machined alloy pre-load adjusters for tunability and is disc brake compatible. The forks are constructed of super-strong magnesium with an oversized forged alloy crown. The combination of MCU (micro-cellular urethane) and coil spring gives the fork great performance on small bumps and big hits.







One test ride is all it takes to find out the difference disc braking makes. Hayes disc brakes are available this year on a variety of Brodie's in both cable and hydraulic actuated models. With consistent braking in all conditions disc brakes offer superior control and performance. After all, if they'll stop a "Hog" you know they can do the job!



Suspension innovation never stops. The big names, RockShox and Manitou, both keep offering riders advances in shock technology. Manitou's Microlube system lets you ride for over 100 hours before tear-down and cleaning with a lube port on each stanchion leg to allow for quick sider lubrication. Not to be outdone, RockShox's oil bath system offers the same low maintenance and just like Manitou's TPC twin piston design, excellent tunability.



At Brodie, we don't skimp or overlook any part of our bikes. Tires, headsets, saddles, they're all important. We use WTB (Wilderness Trail Bikes) extensively throughout our model line-up because of well thought out features like Greaseguard and sloping nose saddles. Their experience and commitment to quality is a reflection of our own approach to bike-building.



Single-speed meant more than just ripping all the cogs off a rear hub and tossing out the derailleurs. We kept the same attention to intelligent parts choices that goes into every Brodie. A custom, Canadian-made "Spot" 135mm alloy rear hub handles all the torque you can throw at it and the combination of 32T front ring and 16T rear cog was chosen after experimenting with numerous gearing combinations.



Tektro's Mini-V's are the trick solution to stopping the Romax. Combined with the new RSX eight speed STI levers, 105 rear derailleur, and RSX brake levers the spec combination is a great example of the way we make sure that every Brodie has its parts in the right place.



The power of four legs working together means that tandems are subject to a lot of stress. The Jolo is equipped with tandem specific parts like bomb-proof hubs and rims to ensure low maintenance. And to make sure that everybody takes a turn in the engine room, we put a suspension seatpost in the stoker position for maximum comfort.



## OUR FRAMES



#### e Xpresso

The expresso has always been a perfect mix of light weight and incredible strength. The Tange Prestige, Prestige Oversized and Prestige Ultimate Ultralight come to life on the trail and deliver the world-famous Brodie ride.

#### Sovereign

Paul Brodie's flagship still reigns over the entire model lineup. Flawless welds join Tange's Prestige Ultimate Ultralite and Prestige tubing for an off-road work of art. Riders who take the time to learn how they are built end up die-hard Brodie fans for life.



#### Catalyst

The Catayst's heritage as a bombproof hardtail lives on. Impeccable craftsmanship by skilled artisans and Brodie's custom selection of specially butted Prestige Tange tubes insure the Brodie mystique is infused in every frame. V brake and disc mounts let you choose the kind of stoppers to slow you down

#### Climb Max

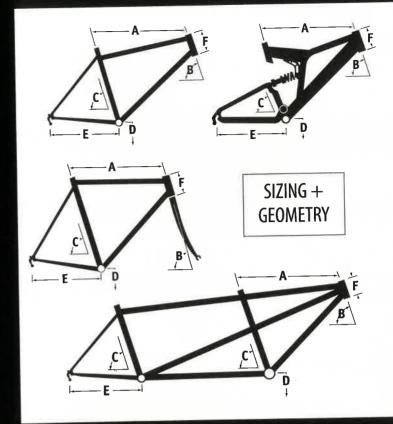
Reborn in aluminum, the ClimbMax brings a new flavour to the Brodie handbuilt line-up. We combined the ideal tube thicknesses and butting with our legendary geometry to deliver the same sought-after ride characteristics in an Easton Ultralite frame with V brake and disc mounts.





#### Libido

#7005 Aluminum, full bearing articulation for a smooth, reliable pivot, and our own Airfoil downtube make the Libido a confidence inspiring choice. Demanding riders will be able to conquer terrain that makes lesser mortals call it a day. The Libido can handle your passion for trick parts with V brake and disc mounts.



	Size	Rider Height	Rider Inseam	Top Tube Length	Head Tube	Seat Tube	Bottom Bracket	Chainstay Length	Head Tube
мтв	12" 14" 16" 17" 18" 19" 20.5" 22"	4'8"-4'11" 4'11"-5'2" 5'2"-5'5" 5'5"-5'8" 5'8"-5'10" 5'10"-6'1" 6'1"-6'3" 6'3"-6'6"	25" 27" 30" 31" 32" 33" 34" 36"	20.8" 21.2" 22.2" 22.6" 22.9" 23.2" 23.6" 24.2"	69° 70.5° 71.2° 71.2° 71.2° 71.2° 71.2°	75° 74° 74° 74° 74° 74° 74° 74°	11.25" 11.625" 11.75" 11.75" 11.75" 11.75" 11.75"	16.625" 16.625" 16.625" 16.625" 16.625" 16.625" 16.625"	3.75" 3.75" 3.75" 4.125" 4.5" 5.5" 6.5" 7.25"
Dual	S M L	4′11″–5′5″ 5′5″–6′1″ 6′1″–6′6″	27-30" 31-33" 34-36"	21.8" 22.75" 23.5"	71.2° 71.2° 71.2°	74° 74° 74°	13" 13" 13"	16.9" 16.9" 16.9"	4" 5" 6"
Road	50cm 53cm 56cm 59cm	5'2"-5'5" 5'5"-5'8" 5'8"-5'11" 5'11"-6'2"	30" 31" 32" 33"	520mm 547mm 570mm 590mm	73° 73° 73° 73°	73° 73° 73° 73°	265mm 265mm 265mm 275mm	407mm 407mm 407mm 407mm	85mm 115mm 145mm 185mm
Tandem	19.5/10	6.5″		22.75"	74°	73°	11.15"	17.25"	5.75"



#### The Front Brake is Your Friend

Don't believe people who tell you to ignore the front brake because it will flip you over the bars. Use a smooth, steady squeeze on the brake lever and you will soon learn to brake hard without flipping or skidding. You'll have more control over your stopping ability, and the trails will thank you.

#### Where you look is where you go

When choosing a line through the terrain, look up the trail at where you want to end up, not where you don't! Following your eyes will guide you away from the obstacles. As a novice, this was the best piece of riding advice I ever had given to me.

#### Determine the type of riding you want to do and set a price range that you feel comfortable with

Establish some rough parameters that may influence your selection, this will assist the bike store sales staff to focus their suggestions to your needs.

# Bruce Spicer's MTB SURVIVAL TIPS

Bruce Spicer doesn't like to brag, so we'll do it for him. How does a Cactus Cup victory, four top ten finishes in the World Cup races, and 13 national titles sound for a record. Add hundreds of wins in local and national events and about a zillion hours on some of the world's nastiest trails and you've got a guy who's more than a little qualified to offer some advice. Here's some hot tips on choosing and riding your Brodie from our resident test pilot.

#### Synthetics – Even Better Than The Real Thing

Cotton is a great natural fibre, but it sucks for riding in. A polypropylene jersey made of modern synthetics will do wonders for your riding comfort by wicking sweat away from your body. As you get more into riding, shoes and shorts designed for cycling will make a huge difference in performance and comfort. You'll be dryer and warmer and beat the bronchitis bug faster than I figured out how to spell it!

#### Ride the bike, don't let it ride you

Suspension developments are taking away the need to use "Body English" more and more. But, to really ride a bike well, you still need to 'help' it over even the smallest obstacles as well as into dips and holes in the trail. Your hands control the front wheel, your feet control the rear.

#### Boy Scouts Are Cool. Be Prepared

How long will you be riding? How badly could the weather deteriorate? Will you be standing around later in cold, wet gear? Pumps, spares, a change of clothes can make a world of difference to your ride, and make you a hero to those who didn't put the thought in beforehand. Splitting the responsibilities on longer epics makes sense. ie: one rider brings a chain break, another brings a spare derailleur, etc. Everybody should bring spare tubes though!

#### Consider Weight to Strength

The trend in the past has been towards ultra-light frames & parts. When hardcore riding tests the limits of rider and machine, durability & bombproof strength become just as important. The market has become more sensible to strength and less obsessed by purely weight. Don't sacrifice reliability and safety with parts and accessories that can't take the abuse you'll want to dish out.

#### The Right Bike From the Right Dealer

Select a reputable dealer that will be able to fill your needs. Your bicycle retailer should assist you to find the right bike, the correct fit and explain the operation of your new purchase. Check out the way they treat other customers, especially newbies. Ask about after-purchase tune-ups and maintenance. Avoid stores that deliver attitude instead of service.

#### What's Your Favourite Position?

The mass of your upper body has a significant influence on how your bike rolls over terrain. When climbing steeps, spread your weight over both wheels and move it fore and aft depending on traction. Usually you will have your rear forward on the saddle, driving your weight into the rear tire. Keep your elbows bent and chest low.

Beginners will inch over the side of a drop-off with their weight way off the back of the saddle. This is fine if the runout is gradual, but if it's more abrupt you need more aggressive body english. Get centered over the bike. As you go over you will be heavy on the hands and light on the feet. As you transition at the bottom pull up on the bars and be heavy on the feet. As you progress, you will just wheelie over the edge, landing rear wheel first. Practice on small drops first, because you can't afford to mess up a big one!



	Force	Quantum	Energy	Torque	Alpha
COLOUR	BRONZITE	EURO YELLOW	CAYENNE RED	JET BLACK	SUN MANGO
SIZE	12,14,16,17,18,19,20.5"	14,16,17,18,19,20.5,22"	14,16,17,18,19,20.5"	14,16,17,18,19,20.5,22"	12,14,16,17,18,19,20.5"
FRAME MTL	TANGE CR-MO/DB/QB	TANGE CR-MO/DB/QB	TANGE CR-MO/DB/QB	TANGE CR-MO/DB/QB	TANGE CR-MO/DB/QB
FORK/SHOX	GATORBLADE/CR-MO	GATORBLADE/CR-MO	GATORBLADE/CR-MO	GATORBLADE/CR-MO	SR SUNTOUR/MG-80
AHEADSET	DIA-COMPE/SE-1	DIA-COMPE/SE-1	DIA-COMPE/SE-1	DIA-COMPE/SE-1	DIA-COMPE/SE-1
BAR	BRODIE FLAT 4°	BRODIE FLAT 4°	BRODIE FLAT 4°	BRODIE FLAT 4°	BRODIE 30 CALIBRE RISE
STEM	BRODIE INCLINE 25°	BRODIE INCLINE 25°	BRODIE INCLINE 25°	BRODIE INCLINE10°	BRODIE INCLINE10°
GRIP	BRODIE GEL	BRODIE GEL	SERFAS DUAL DENSITY	SERFAS DUAL DENSITY	BRODIE GEL
BRAKE	TEKTRO#825 "V"	TEKTRO#824"V"	DIA-COMPE VC-733	LX "V"/PARALLEL PUSH	TEKTRO#824 "V"
LEVER	TEKTRO#380 "V"	TEKTRO#379 "V"	DIA-COMPE DP-7	TEKTRO#381 "V"	TEKTRO#380 "V"
CRANK	SR SAKAE XR-17	SR SAKAE XR-32	SR SAKAE XR-40	SR SAKAE AP-56 / ALLOY 44T	SR SUNTOUR XR-17
BB	SHIMANO/CS-15	SHIMANO/LP27	SHIMANO/LP27	SHIMANO/LP27	SHIMANO/CS-15
CHAIN	SHIMANO/HG-50	SHIMANO/IG-31	SHIMANO/IG-31	SHIMANO/HG-72	SHIMANO/HG-50
PEDAL	WELLGO/W SPD MOUNT	WELLGO MTB W/CLIPS	WELLGO MTB W/CLIPS	WELLGO MTB W/CLIPS	WELLGO/W SPD MOUNT
FRONT HUB	FORMULA/OV-31	SHIMANO ALIVIO	SHIMANO STX-RC	RITCHEY SPORT	FORMULA/OV-31
REAR HUB	ACERA-X	SHIMANO ALIVIO	SHIMANO STX-RC	SHIMANO LX	SHIMANO ACERA-X
CASSETTE	SUNTOUR-7/12-28T	SHIMANO-8/11-30T	SHIMANO-8/11-30T	SHIMANO-9/11-32T	SUNTOUR-7/12-28T
SPOKE	STAINLESS 14G	STAINLESS 14G	STAINLESS 14G	STAINLESS 14G	STAINLESS 14G
RIM/FRT	SUN METAL #Z19	SUN METAL#Z19	RITCHEY VANTAGE	RITCHEY VANTAGE	RITCHEY VANTAGE
TIRE/FRT	DYNAMO ON/OFF	DYNAGRIP/FRONT	DYNASLICK/FRONT	DYNASLICK/FRONT	DYNAGRIP/FRONT
TIRE/REAR	DYNAMO ON/OFF	DYNAGRIP/REAR	DYNASLICK/REAR	DYNASLICK/REAR	DYNAGRIP/REAR
F. DERAILL	SHIMANO ACERA-X	SHIMANO ACERA-X	SHIMANO STX-RC	SHIMANO LX	SHIMANO ACERA-X
R. DERAILL	SHIMANO ACERA-X	SHIMANO STX-RC	SHIMANO XT	SHIMANO XT	SHIMANO ACERA-X
SHIFTER	SHIMANO REVO-SHIFT	SHIMANO/RF+8	SHIMANO/RF+8	SHIMANO LX/RF+9	SHIMANO REVO-SHIFT
SADDLE	BRODIE O-ZONE	BRODIE O-ZONE	BRODIE O-ZONE	RITCHEY VECTOR	BRODIE O-ZONE
POST	KALLOY#243	KALLOY#243	KALLOY#263	KALLOY#263	KALLOY#243
COLLAR	BRODIE PRO-FIT	BRODIE PRO-FIT	BRODIE PRO-FIT	BRODIE PRO-FIT	BRODIE PRO-FIT













	Omega	Infinity	Kinetic	Evolution	Rocket	
SI	SILVER BULLET TAMALE RED		SCUBA YELLOW	SUNKIST ORANGE	MANITOU MANGO	
14	4,16,17,18,19,20.5" 14,16,17,18,19,20.5"		14,16,17,18,19,20.5,22"	16,17,18,19,20.5"	16,17,18,19,20.5"	
TA	TANGE CR-MO/DB/QB TANGE CR-MO/DB/QB		TANGE CR-MO/DB/QB	PRESTIGE CR-MO/DB/QB	PRESTIGE CR-MO/DB/QB	
SI	SR SUNTOUR/MG90 ROCK SHOX JETT"XC"LT		ROCK SHOX JUDY"XC" LT	ROCK SHOX JUDY"XC" LT	MANITOU"SX-R"LT	
D	IA-COMPE/SE-1	DIA-COMPE/SE-1	DIA-COMPE/SE-1	DIA-COMPE/STS	WTB/MOMENTUM ALLOY	
В	RODIE FLAT 4°	BRODIE 30 CALIBRE RISER	BRODIE FLAT 4°	BRODIE 50 CALIBRE RISER	BRODIE 50 CALIBRE RISER	
В	RODIE INCLINE 25°	BRODIE INCLINE10°	BRODIE CO-PILOT 5°	BRODIE PILOT 5°	BRODIE PILOT 5°	
ВІ	RODIE GEL	SERFAS DUAL DENSITY	SERFAS DUAL DENSITY	SERFAS DUAL DENSITY	SERFAS DUAL DENSITY	
DI	IA-COMPE VC-733	DIA-COMPE VC-733	LX "V"/PARALLEL PUSH	HAYES CABLE HYDRAULIC	HAYES CABLE HYDRAULIC	
DI	IA-COMPE DP-7	DIA-COMPE DP-7	AVID 1.9/SPEED DIAL	AVID 1.9/SPEED DIAL	AVID 2.0/SPEED DIAL	
SI	R SAKAE XR-32	SR SAKAE AP-56 / ALLOY 44T	SR SAKAE AP-56 / ALLOY 44T	SR SAKAE AP-56 / ALLOY 44T	SHIMANO XT/5 ARM	
SI	HIMANO/LP27	SHIMANO/LP27	SHIMANO/LP27	SHIMANO/UN 52	SHIMANO/UN 52	
SI	HIMANO/HG-50	SHIMANO/HG-72	SHIMANO/HG-72	SHIMANO/HG-72	SHIMANO/HG-72	
W	/ELLGO MTB W/CLIPS	WELLGO MTB W/CLIPS	SHIMANO#515 SPD	SHIMANO#545 SPD	SHIMANO#636 SPD	
Sł	HIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO LX	FORMULA DC-61/HAYES DISC	FORMULA DC-91/HAYES DISC	
SI	HIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO LX	FORMULA DC-33/HAYES DISC	FORMULA DC-32/HAYES DISC	
SI	HIMANO-8/11-30T	SHIMANO-9/11-32T	SHIMANO-9/11-32T	SHIMANO-9/11-32T	SHIMANO-9/11-32T	
Sī	TAINLESS 14G	STAINLESS 14G	STAINLESS 14G BLACK	STAINLESS 14G	14 SS/ALLOY NIPPLE	
SI	UN METAL#Z19	SUN METAL#Z19/W ABT	MAVIC#X138	SUN METAL#Z25 /W ABT	SUN RHYNO-LITE/W ABT	
D	YNAGRIP/FRONT	RITCHEY Z-MAX	VELOCIRAPTOR/FRONT	WTB TYRANNORAPTOR	WTB TYRANNORAPTOR/K	
D	YNAGRIP/REAR	RITCHEY Z-MAX	VELOCIRAPTOR/REAR	WTB VELOCIRAPTOR	WTB VELOCIRAPTOR/K	
SH	HIMANO ALIVIO	SHIMANO LX	SHIMANO LX	SHIMANO LX	SHIMANO XT	
SI	HIMANO STX-RC	SHIMANO LX	SHIMANO XT	SHIMANO XT	SHIMANO XT	
SH	HMANO/RF+8	SHIMANO LX/RF+9	SHIMANO LX/RF+9	SHIMANO LX/RF+9	SHIMANO XT/RF+9	
BF	RODIE O-ZONE	RITCHEY VECTOR	WTB/SST	WTB/SST	WTB/CR-MO/KEVLAR	
K/	ALLOY#243	KALLOY#263	KALLOY#339	KALLOY#349	KALLOY#349	
BF	BRODIE PRO-FIT BRODIE PRO-FIT		BRODIE PRO-FIT	BRODIE CHOKER	BRODIE CHOKER	

# SPECIFICATIONS













	Dynamo
COLOUR	EBONY BLACK
SIZE	14,16,17,18,19,20.5"
FRAME MTL	#7005 ALUMINUM /AIRFO
FORK/SHOX	ROCK SHOX JUDY"C"LT
AHEADSET	DIA-COMPE/SE-1
BAR	BRODIE 30 CALIBRE RISER
STEM	BRODIE CO-PILOT 5°
GRIP	SERFAS DUAL DENSITY
BRAKE	DIA-COMPE VC-733
LEVER	DIA-COMPE DP-7
CRANK	SR SAKAE AP-56 / ALLOY
ВВ	SHIMANO/LP27
CHAIN	SHIMANO/HG-72
PEDAL	RITCHEY CLIPLESS
FRONT HUB	RITCHEY SPORT
REAR HUB	SHIMANO LX
CASSETTE	SHIMANO-9/11-32T
SPOKE	STAINLESS 14G
RIM/FRT	SUN METAL #Z18/W ABT
TIRE/FRT	RITCHEY Z-MAX
TIRE/REAR	RITCHEY Z-MAX
F. DERAILL	SHIMANO LX

R. DERAILL

SHIFTER

SADDLE

POST

COLLAR

Electro amo LIMETWIST ACK 14,16,17,18,19,20.5" 18.19.20.5" UMINUM /AIRFOIL X JUDY"C"LT E/SE-1 CALIBRE RISER 0-PILOT 5° BRODIE CO-PILOT 5° UAI DENSITY SFRFAS DUAL DENSITY PE VC-733 HAYES DISC/AVID 10 **AVID 1.0** PE DP-7 SR SAKAE XR-40 AP-56 / ALLOY 44T /LP27 SHIMANO/LP27

SHIMANO LX

SHIMANO LX/RF+9

RITCHEY VECTOR

**BRODIE PRO-FIT** 

KALLOY#263

#7005 ALUMINUM/AIRFOIL ROCK SHOX JUDY"C"LT DIA-COMPE/SE-1 **BRODIE 30 CALIBRE RISER** 

SHIMANO/CN IG-51

RITCHEY CLIPLESS

SHIMANO STX-RC

SHIMANO-8/11-30T

SUN METAL#Z18/W ABT

STAINLESS 14G

RITCHEY Z-MAX

RITCHEY Z-MAX

SHIMANO STX-RC

SHIMANO LX

WTB/SST

KALLOY#263

SHIMANO/RF+8

FORMULA DC-61/HAYES DISC

BRODIF PILOT 5°

#7005 ALUMINUM/AIRFOIL ROCK SHOX JUDY"XC" LT DIA-COMPE/SAS RITCHEY FORCELITE

SERFAS DUAL DENSITY

LX "V"/PARALLEL PUSH

AVID 1.9/SPEED DIAL

1X-5 ARM 22:32:44T

SHIMANO/LP27

SHIMANO/HG-72

SHIMANO 515 SPD

SHIMANO-9/11-32T

STAINLESS 14G BLACK

MAVIC#221 STEEL GREY

WTB PRIMAI RAPTOR

WTB PRIMALRAPTOR

SHIMANO LX

SHIMANO XT

SHIMANO LX/RF+9

WTB/SST/CR-MO

KALLOY#349

**BRODIE CHOKER** 

SHIMANO LX

SHIMANO LX

Voltage

16,17,18,19,20.5"

WHITE HEAT

**EASTON ULTRALITE** ROCK SHOX JUDY"SL"LT

WTB/MOMENTUM AL RITCHEY FORCELITE **BRODIE PILOT 5°** 

Spark

**BLUE MARBLE** 

16,17,18,19,20,5"

Holeshot

16,17,18,19,20.5"

MANITOU X-VERT/LT

WTB/MOMENTUM AL

**BRODIE 50 CALIBRE RIS** 

SERFAS DUAL DENSITY

HAYES HYDRAULIC DISC

HAYES HYDRAULIC LEV

BRODIE PILOT 5°

EASTON "RAD"

WHITECAP

SERFAS DUAL DENSITY XT"V"/PARALLEL PUSH

AVID 2.0/SPEED DIAL

SHIMANO XT/5 ARM SHIMANO XT/5 ARM SHIMANO/UN 52 SHIMANO/UN 72 SHIMANO/HG-72 SHIMANO/HG-72 SHIMANO #636 SPD/RI SHIMANO 515 SPD SHIMANO XT FORMULA DC-91/HAYE

FORMULA DC-32/HAYE SHIMANO XT SHIMANO-9/11-32T SHIMANO-9/11-32T 15G SS/BLACK ALLOY 15G SS/BLACK ALLOY SUN RHYNO-LITE/W A MAVIC#X221/EYELETS MAXXIS MOFO/2.35 WTB RACING RAPTOR/K MAXXIS MOFO/2.35 WTB RACING RAPTOR/K SHIMANO XT SHIMANO XT

KALLOY#349 KALLOY#349 **BRODIE CHOKER BRODIF PRO-FIT** (MAVIC) -







SHIMANO XTR

SHIMANO XT/RF+9

WTB/SST/CR-MO



SHIMANO XT

SHIMANO XT/RF+9

WTB/CR-MO/KEVLAR











