

NORCCO®

1993

T.N.T.



Tange ultimate "ultra strong" Ditch down tube. Super light, super strong.



Dia-Compe "Ahead" system. Simple, clean, ultra light.



T.N.T.

A definite threat on any track or trail. The T.N.T. frame is made with **Tange Ultimate Prest** tubing. The external ribbing on the down tube adds stiffness and strength while saving weight. The stays are **True Temper** triple tapered. This mix of tubing creates a stiff, responsive and light weight frame with geometry matched to work with the **Rock Shox Mag 21 fork**. A brilliant lustrous **powder coat** is applied for a finish unmatched by standard paint. For this quality only the best has been chosen. It means **Shimano XTR** 24-speed gearing, **XT clipless** pedals, **Ritchey megabite Z-m** tires and **Control Stix Lite** bar ends. You can dare to compare the weight, performance and advanced componentry of this bike with anything on the track or trail.

1400.00
AMPAGE

R The bike that got
 stocked. Racer feedback,
 in Bike magazine test feedback
 customer reaction was hot in '92.
 We've come back even stronger
 with the new Rampage. The '93 frame is
 loaded with a **Tange
 mate/ultra
 racing oversize
 main tube** (externally ridged),
 original **Prestige
 concept** top and seat tubes. This
 tubing is specially shaped and
 is strong, rigid and light. Stays
 with **five Temper triple
 tapered** and geometry is full race
 with the **Rock Shox
 21** adjustable suspension
 speed items such as the
road system stem,
control
 bar ends for precise handling
 and light weight. "Racers mix" of
 gears with **24-speed
 Dual SIS** Deore LX and
Integra 8-speed hubs. Don't
 forget **Shimano clipless
 pedals**, leather **Vetta SL**
 saddle, **DT** stainless spokes
 and **anaracer Smoke/
 Fire** combination. A light
 bullet-proof race bike.



Rock Shox
 with stiff
 cable
 external
 spring bolts
 extremely rigid
 and tough.



Vetta SL saddle with aluminum shell and ultra light
 frame.

Rampage

Nitro

Sasquatch®

N

When off-road riding takes a turn to the extreme. The Nitro is constructed with an ultra light **True Temper OX-2 oversize main frame** with triple tapered chromoly stays. Geometry is full race and dialed for suspension. The shocks are **Rock Shox Mag 10 air/oil suspension** with 45 mm. of travel. A threadless steerer **Ahead system** ensures an ultra tight headset and reduced weight. Hard core components such as **Shimano Deore XT** above bar shifters, **Bontrager** rims and **Dia-Compe SS-7/987** super light low-profile brakes keep this affordable race bike ahead of the pack in performance.



SASQUATCH®

A serious off-road bike with a strong backing of top name components. The Sasquatch® **Tange double butted full chromoly** frameset has been developed with suspension in mind. The geometry is perfectly matched to the new **Rock Shox Quadra** which is standard equipment. The fork offers easily adjustable elastomeric compression with 45 mm. of travel. This means faster speeds, more control and better handling. Brand name **Shimano LX 21-speed dual Rapidfire Plus** componentry, **Araya** and the new **Ahead system** are a few parts which make this performance bike to ride and ultra tough.



PINNACLE®

Tested and dialed in for off-road fun! The Pinnacle® specifications include a new **SR/Suntour Duo Track front suspension fork** with a mechanical spring and elastomer dampening (offering 35 mm. of travel) mounted on a full **Tange chro-moly frame** with triple tapered stays and suspension specific geometry. Complete **Exage LT gearing, chro-moly Ahead system and ATB bar, Tioga Surefoot** pedals and **Vetta SL** saddle keep weight low and performance high. You gotta ride it!



BIGFOOT® SP

Conquering new boundaries, Bigfoot® SP offers a **suspension** with performance componentry at a price that won't exhaust your pocketbook. The Bigfoot® features a full **32 mm. of front travel** and the frame geometry has been designed to work with the shock. This **sport suspension design** offers a full head tube, top tube and bottom bracket frame construction is **Tange chro-moly** and componentry includes **mano Altus-A10**, the **Ahead system** and **Vetta SL** saddle. The edge you need - Bigfoot® SP.



Pinnacle®
Bigfoot® SP

Specifications

SPECIFICATIONS	RAMPAGE TI	VIPOR ITS	T.A.T.	RAMPAGE	NITRO	SASOBI
FRAME SIZES	17", 18", 20"	18.5"	16", 17", 18.5", 20"	16", 17", 18.5", 20"	16", 17", 18.5", 20"	16", 17", 18.5", 20"
FRAME	Sandvik USA 3-2.5 titanium with oversize 1.5" down tube, 1.25" seat tube and top tube. Race suspension geometry.	Tange Ultimate oversize "Ditch" down tube, Prestige sloping top tube and outer butted P.G. seat tube. Full suspension geometry.	Tange Ultimate oversize "Ditch" down tube, ultra-lite top tube, Concept seat tube. Race suspension geometry.	Tange Ultimate oversize "Ditch" down tube, Concept seat tube, and Prestige sloping top tube. Race suspension geometry.	True Temper DK-2 chromo-moly with oversize down tube, sloping AVR top tube, oversize headset. Race suspension geometry.	Tange double-butted oversize down tube, top tube, oversize Sport suspension geometry.
REAR STAYS	Sandvik USA 3-2.5 titanium. Oversize.	Triple box extruded light alloy Zero Tolerance roller design.	True-temper triple tapered chromo-moly stays.	True Temper triple tapered chromo-moly stays.	Chromo-moly triple tapered seat stays, 22mm chromo-moly chain stays.	Chromo-moly triple tapered seat stays, 22mm chromo-moly chain stays.
FORK	Rock Shox Mag 21 adjustable air-oil suspension fork.	Rock Shox Mag 21 adjustable air-oil suspension fork.	Rock Shox Mag 21 adjustable air-oil suspension fork.	Rock Shox Mag 21 adjustable air-oil suspension fork.	Rock Shox Mag-10 air-oil suspension fork.	Rock Shox Mag-10 air-oil suspension fork. Adjustable.
HEADSET	Tange light alloy "Ahead" threadless type.	Tange light alloy "Ahead" threadless type.	Tange light alloy "Ahead" threadless type.	Tange light alloy "Ahead" threadless type.	Tange light alloy "Ahead" threadless type.	Tange "Ahead" threadless type.
HANDLEBARS	Zoom 2014 butted light alloy 150 grams.	Zoom 2014 butted light alloy 150 grams.	Zoom 2014 butted light alloy 150 grams.	Zoom 2014 butted light alloy 150 grams.	Zoom 6000 series light alloy 170 grams.	Chromo-moly/steel 170 grams.
STEM	Control Tech clamp type for "Ahead".	Zoom chromo-moly clamp type for "Ahead".	Zoom chromo-moly clamp type for "Ahead".	Zoom chromo-moly clamp type for "Ahead".	Zoom chromo-moly clamp type for "Ahead".	Chromo-moly/steel clamp type for "Ahead".
TAPE/GRIPS	Duro foam ultra light.	ATI "Iso-grip". Black.	ATI "Iso-grip". Black.	ATI "Iso-grip". Black.	ATI "Iso-grip". Black.	Zoom Competition.
SADDLE	Selle Italia "Flite" titanium.	Vetta "SL" narrow with hollow chromo-moly rails.	Vetta "SL" narrow with hollow chromo-moly rails.	Vetta "SL" narrow with hollow chromo-moly rails.	Vetta "SL" narrow with hollow chromo-moly rails.	Vetta "SL" narrow perforated. Australian.
SEAT POST	Control Tech light alloy internally reinforced.	Kalloy "Uno" light alloy competition post.	Kalloy "Uno" light alloy competition post.	Kalloy "Uno" light alloy competition post.	Kalloy "Uno" light alloy competition post.	Kalloy chromo-moly head.
SHIFT LEVERS	Shimano XTR 8-sp. Rapidfire Plus STI.	Shimano Deore XT Rapidfire Plus STI.	Shimano XTR 8-sp. Rapidfire Plus STI.	Shimano XTR 8-sp. Rapidfire Plus STI.	Shimano Deore XT 7-sp. SIS thumbshifters.	Shimano Deore XT Plus STI.
FRONT DERAILLEUR	Shimano XTR.	Shimano Deore XT.	Shimano XTR.	Shimano Deore LX.	Shimano Deore XT.	Shimano Deore XT.
REAR DERAILLEUR	Shimano XTR.	Shimano Deore XT.	Shimano XTR.	Shimano Deore XTR 8-sp.	Shimano Deore XT.	Shimano Deore XT.
FREEWHEEL	Shimano 12-28T 8-sp. XTR Hyperglide.	Shimano 13-30T HG-70 7-sp. cassette.	Shimano 12-28T 8-sp. XTR Hyperglide.	Shimano 12-28T 8-sp. XTR Hyperglide.	Shimano 13-30T HG-70 7-sp. cassette.	Shimano 13-30T HG-70 7-sp. cassette.
CRANKSET	Shimano XTR low-profile, 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.	Shimano Deore XT with 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.	Shimano XTR low-profile, 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.	Shimano Deore LX low-profile, 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.	Shimano Deore LX low-profile, 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.	Shimano Deore XT low-profile, 26-36-46T Dual SIS light alloy chain rings. Cartridge BB.
BRAKE CALIPERS	Shimano XTR low-profile.	Shimano Deore XT low-profile Multi-Condition.	Shimano XTR low-profile.	Shimano Deore LX low-profile Multi-Condition.	Dia-Compe 987 low-profile.	Shimano Deore XT Multi-Condition.
BRAKE LEVERS	Shimano XTR.	Shimano Deore XT Servowave.	Shimano XTR.	Shimano Deore XTR Servowave.	Dia-Compe SS-7 3 finger competition levers.	Shimano Deore XT Servowave.
PEDALS	Shimano Deore XT "SPD" clipless system.	Shimano Deore DX "SPD" clipless system.	Shimano Deore XT "SPD" clipless system.	Shimano Deore DX "SPD" clipless system.	Tioga Surefoot VI with toe clips and straps.	Tioga Surefoot VI and straps.
CHAIN	Shimano XTR 1/2" x 3/32" narrow Hyperglide.	Shimano HG-90 1/2" x 3/32" Hyperglide.	Shimano XTR 1/2" x 3/32" narrow Hyperglide.	Shimano HG-90 1/2" x 3/32" Hyperglide.	Shimano HG-70 1/2" x 3/32" Hyperglide.	Shimano HG-70T Hyperglide.
HUBS	Shimano XTR quick-release, 32 hole.	Shimano Deore XT quick-release. Front and rear 32 hole.	Shimano XTR quick-release, 32 hole.	Shimano Ultegra 8-sp. Front and rear 32 hole.	Shimano Deore XT quick-release. Front and rear 32 hole.	Shimano Deore XT quick-release. Front and rear 32 hole.
SPOKES	D.T. 14/15 ga. butted. Competition stainless.	D.T. 14 ga. stainless with 5/8" brass nipples.	D.T. 14 ga. stainless with 5/8" brass nipples.	D.T. 14 ga. stainless with 5/8" brass nipples.	14 ga. stainless with brass nipples.	14 ga. stainless with brass nipples.
RIMS	Araya RM-395 Team. 7000 series light alloy.	Araya RM-395 Team. 7000 series light alloy.	Araya RM-395 Team. 7000 series light alloy.	Araya RM-395 Team. 7000 series light alloy.	Bontrager BCX-1 32 hole.	Araya TM-18 concave, 26".
TIRES	Ritchey Z-Max 2.1 with Michelin tubes.	Front: Panaracer Dart 2.2. Rear: Panaracer Smoke 2.1.	Front: Ritchey Z-Max 2.1. Rear: Z-Max 2.1.	Front: Panaracer Dart 2.2. Rear: Panaracer Smoke 2.1.	Front: Panaracer Dart 2.2. Rear: Panaracer Smoke 2.1.	Axiom Black Thru-skinwall.
COLOURS	Natural titanium bead blasted.	Cobalt main triangle. Gold rear stays.	Near chrome powder coat.	Dark grape purple powder coat.	Metallic charcoal.	Storm green. Paint is Clear Coat.
MISCELLANEOUS	Complete with Control Tech "Stix Lite II" black anodized bar ends, and reflectors.	Complete with Control Tech "Stix Lite II" black anodized bar ends.	Complete with Control Tech "Stix Lite II" black anodized bar ends, and reflectors.	Complete with Control Tech "Stix Lite II" black anodized bar ends, and reflectors.	Complete with Hurricane Sticks light alloy bar ends, and reflectors.	Complete with Hurricane Sticks light alloy bar ends, and reflectors.

Specifications are subject to change.



The suspension line-up: Tai Huei, SR, Marzocchi and Rock Shox.



California Springs; the company that makes only water bottles.



The ultimate in security - Norco® Bike Guard locks.

APPLICATIONS	PINNACLE®	BIGFOOT® SP	BIGFOOT®	KOKANEE
	16", 17", 18.5", 20"	16", 17", 18.5", 20"	16", 18", 20", 22"	16", 18", 20", 22"
	Tange outer butted chro-moly seat tube, chro-moly oversize down tube and sloping top tube. Oversize (1-1/8") headset. Sport suspension geometry.	Tange outer butted chro-moly seat tube, chro-moly oversize down tube and sloping top tube. Oversize (1-1/8") headset. Sport suspension geometry.	Tange outer butted chro-moly seat tube, chro-moly oversize down tube and sloping top tube. Oversize (1-1/8") headset.	Tange chro-moly (3 main tubes) with oversize down tube, outer butted seat tube, sloping top tube. Oversize (1-1/8") head tube.
	Chro-moly double tapered seat stays and chain stays. Vertical dropouts.	Chro-moly double tapered seat stays and chain stays. Vertical dropouts.	Chro-moly double tapered seat stays and chain stays. Vertical dropouts.	Chro-moly Fastback seat stays with forged vertical dropouts.
	SR/Suntour DuoTrack suspension fork (Spring/Elastomer).	Tai Huel Elastomer suspension fork.	Full chro-moly oversize 1-1/8" tapered Unicrown.	Tange chro-moly tapered blades.
	Tange "Ahead" threadless type.	Tange "Ahead" threadless type.	Sealed mechanism 1-1/8" ATB type. Black.	Deluxe 1-1/8" ATB type. Black.
	Flat racing bar.	Flat racing bar.	Flat racing bar.	Flat racing bar.
	Chro-moly mid-rise clamp type for "Ahead".	Chro-moly mid-rise clamp type for "Ahead".	Chro-moly mid-rise ATB stem. Black.	Hi-rise mountain stem. Black.
	Zoom Competition grips.	Zoom Competition grips.	Zoom Competition grips.	Krayton ATB grips.
	Vetta "SL" wide with perforated Astrale cover.	Vetta "SL" wide with perforated Astrale cover.	Vetta men's foam with perforated Astrale cover.	Vetta men's foam with perforated Astrale cover.
	Kalloy chro-moly with alloy head.	Kalloy chro-moly with alloy head.	Kalloy chro-moly with alloy head.	300mm steel, B.E.D. finish.
	Shimano Exage LT Rapidfire Plus STI.	Shimano Altus A-10 Rapidfire Plus STI.	Shimano Altus A-10 Rapidfire Plus STI.	Shimano Altus A-20 Rapidfire Plus STI.
	Shimano Exage LT.	Shimano Altus A-10.	Shimano Altus A-10.	Shimano Altus A-20.
	Shimano Exage LT.	Shimano Altus A-10.	Shimano Altus A-10.	Shimano Altus A-20.
	Shimano 13-30T Hyperglide 7-sp. cassette.	Shimano 13-30T Hyperglide 7-sp. cassette.	Shimano 13-30T Hyperglide 7-sp. cassette.	Shimano 13-30T Hyperglide 7-sp. cassette.
	Shimano Exage LT light alloy cranks. 26-36-46T Dual SIS interchangeable rings.	Shimano Altus A-10 light alloy cranks. 26-36-46T Dual SIS interchangeable rings.	Shimano Altus A-10 light alloy cranks. 26-36-46T Dual SIS interchangeable rings.	Shimano Altus A-20 light alloy cranks. 28-38-48T Superglide Dual SIS chain rings. 170mm.
	Shimano Exage LT, Multi-Condition cantilevers.	Shimano Altus A-10, Multi-Condition cantilevers.	Shimano Altus A-10, Multi-Condition cantilevers.	Shimano Altus A-20 light alloy Multi-Condition.
	Shimano Exage LT.	Shimano Altus A-10.	Shimano Altus A-10.	Shimano Altus A-20 light alloy.
	Tiagra Surefoot VI with toe clips and straps.	Resin ATB pedals with alloy cage.	Resin ATB pedals with alloy cage.	Plastic mountain pedals with reflectors.
	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.
	Shimano light alloy. Front: quick-release. Rear: 7-sp. csst., quick-release.	Shimano light alloy. Front: quick-release. Rear: 7-sp. csst., quick-release.	Shimano light alloy. Front: quick-release. Rear: 7-sp. csst., quick-release.	Shimano light alloy. Front: quick-release. Rear: 7-sp. csst., quick-release.
	14 ga. stainless with brass nipples.	14 ga. with brass nipples. Deluxe UCP plating.	14 ga. with brass nipples. Deluxe UCP plating.	14 ga. with 5/8" brass nipples.
	Araya VP-20 light alloy, 26".	Araya AP-21 light alloy, concave, 26".	Araya AP-21 light alloy, concave, 26".	Araya MP-22 light alloy 26".
	Axiom Black Thunder 26 x 2.0 skinwall.	Axiom Black Thunder 26 x 2.0 skinwall.	Axiom Black Thunder 26 x 2.0 skinwall mountain tires.	26" blackwall on/off ATB type.
	Metallic tundra. Paint is Clear Coated.	Pearl cobalt. Paint is Clear Coated.	Storm purple. Paint is Clear Coated.	Metallic marine blue, Corvette yellow. Paint is Clear Coated.
	Braze-on cable guides, cable stoppers, s-cable routing for rear brake, H ₂ O braze-ons, and reflectors.	Braze-on cable guides, cable stoppers, s-cable routing for rear brakes, and reflectors.	Braze-on cable guides, cable stoppers, s-cable routing for rear brakes, and reflectors.	Braze-on cable guides, cable stoppers, s-cable routing for rear brakes, and reflectors.

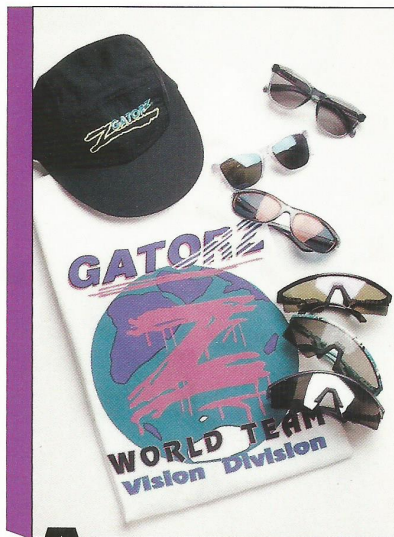
Specifications are subject to change without notice.

S.S.D. SUSPENSION SPECIFIC DESIGNS

Norco® **knows how important geometry is** and how it affects a bicycle's handling. We also understand that not everyone rides the same type of terrain. We do not compromise by adding a suspension fork to a frame set not originally designed for it, as this substantially changes the riding characteristics of any bicycle. We have addressed these concerns with 8 models all featuring **"S.S.D." geometry**.

Our **RS (Race Suspension)** bicycles have been designed for serious racing and top off-road performance riding. This design features aggressive geometry for quicker, more responsive handling. **Our racing team** has fully tested and proven this design which perfectly compliments the **Rock Shox Mag 21** suspension fork. Constant race team rider feedback, in-house testing and ongoing modification have made these designs extremely popular.

Our **SS (Sport Suspension)** design was developed to offer a little more **forgiving feel** and increased **stability**. With many of the same features as racing geometry, these models were designed with a slightly longer front centre and slacker head tube angle, still perfectly matched to the suspension front forks.



An exciting and revolutionary new breed of eyewear born in the jungles of Southern California.

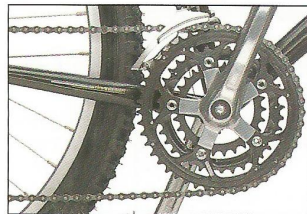


Specifications

Bigfoot®



Shimano low-profile cranks with Dual SIS chain ring ramps for ultra crisp front shifting.



BIGFOOT®

Unmatched in its...
 - keeping up a winning tradition. Incorporating solid craftsmanship with advanced technology, the Bigfoot® will take on any trail or take you across town. The **Tange full chromoly oversize frame**, double tapered **chromoly seat post** and **full chromoly fork** give you some indication of the high quality of this bike. Technical specifications include **chromoly stem** and **seat post** with quick-release seat post clamp, full **Shimano Altus A-10 Rapidfire Plus 21-speed** group, **sealed mechanism headset** and **Araya AP-1 rims**. All components have been picked for optimal weight reduction and maximum durability. No compromise - just a great

KOKANEE

The perfect balance of form and function. The boldly styled Kokanee offers a **Tange chromoly oversized frame**, **Tange chromoly forks** for strength and a distinct advantage. With dedication to performance, the Kokanee delivers state of the art **Shimano Altus A-21-speed Dual SIS** Plus gearing and **Shimano low-profile** fenders and brakes. A **Vetta** leather saddle offers optimal comfort. With **Araya** tires and **light alloy** wheels, you're guaranteed superb road handling. New colours are hot and feature a full **Clear Coat** for a premium finish.



459-



New Multi-Condition brakes for improved stopping performance in all conditions.



Kokanee

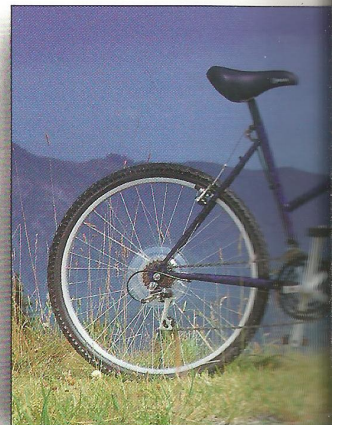
BUSH PILOT



385-

BUSH PILOT

Enjoyable transportation! Amazing value and advanced features including **chromoly main frame** and **fork blades** with an **oversize down tube**. Sleek new additions such as the **Shimano Altus C-10 Dual SIS** gearing and **low-profile Multi-Condition** brakes offer an extra measure of ease, confidence and durability.



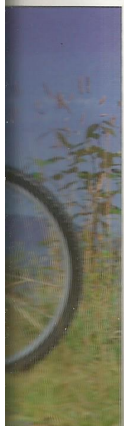


K ATMANDU

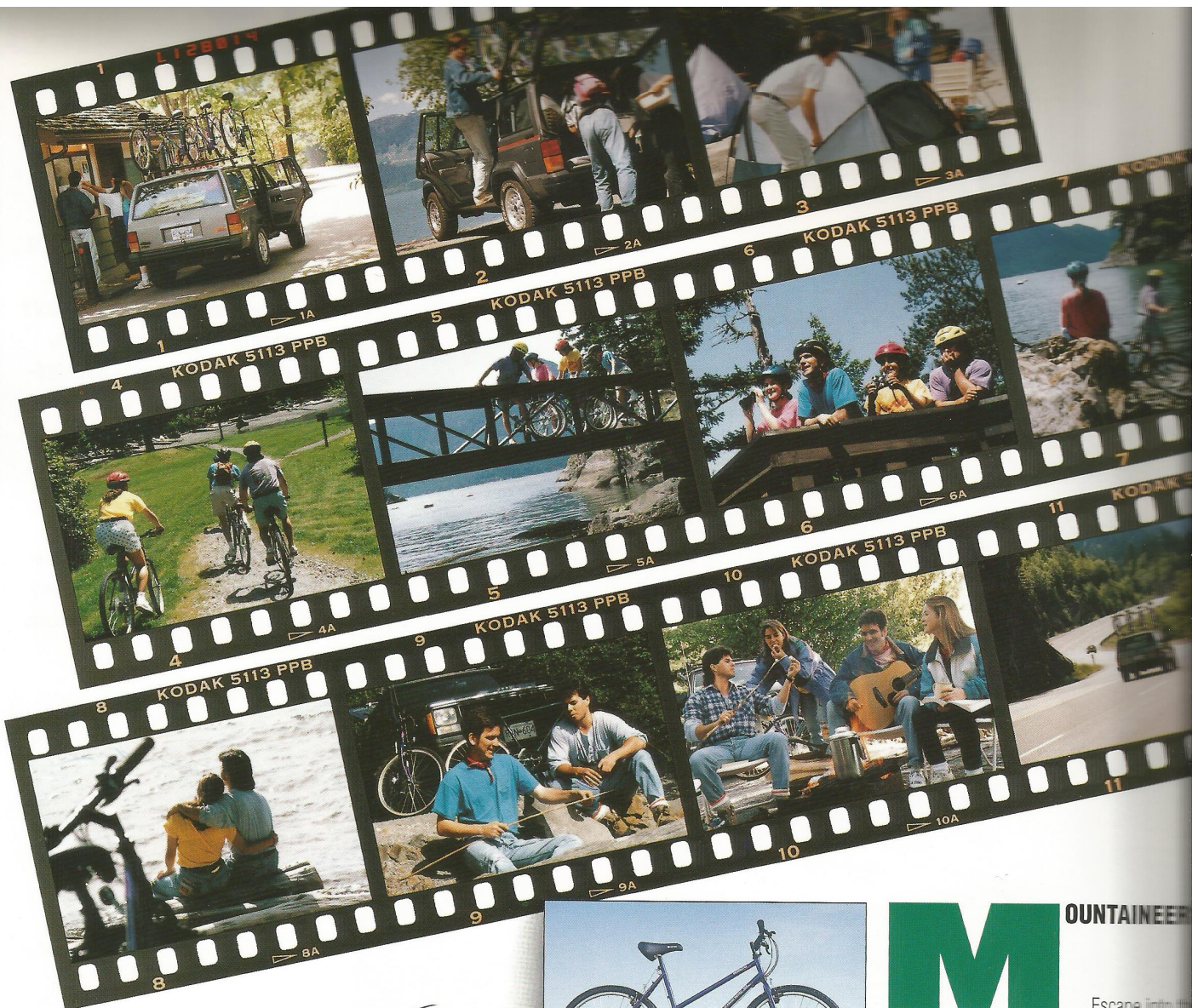
When getting there is all the fun. The Katmandu, restyled for '93, offers a bike perfectly refined to suit your needs. The Katmandu frame boasts an oversize **chro-moly MTB down tube** for additional weight reduction and main frame strength. New **Shimano 18-speed STI CT-20** gearing gives exceptionally smooth and crisp shifting with **Multi-Condition** brakes for stop-on-a-dime performance in wet or dry conditions. You can count on the **Araya light alloy rims** for true rolling with a **front quick-release hub** for easy wheel removal, storage, and transportation. A very attractive model with sophisticated colours and decals.

329 -

Katmandu



Mountaineer® SL



285 -



MOUNTAINEER

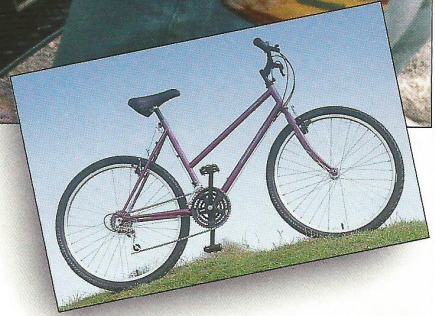
Escape into the great outdoors on a new Mountaineer® SL. Mountaineer® SL men's and women's bikes are now hotter than ever for '93. **Tig weld ATB frame, cantilever brakes, light alloy Shimano TV-20 18-speed shifting system and light alloy cranks** are only a few items which make this bike a true leader. We accomplished this by focusing on comfort and style at an unbeatable price. An optimal riding position is offered, fatigue is minimized by the high rise stem and **soft padded saddle** standard on the SL. Check out one of these and escape into cycling heaven.



Cherokee

HEROKEE

259-



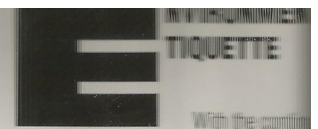
The Cherokee, an important part of your recreational lifestyle. Satisfy the desire to pursue the finer things and get away on a bike ride, with the Cherokee. Available in men's and women's frame styles with assorted **colours**. The Cherokee is a great package, offering a more **upright riding position** with a higher seat height combination and a **soft padded Velo saddle**. **15-speed** shifting and **alloy rims** keep the ride smooth and rolling smoothly. The Cherokee is a fun bike guaranteed to give you years of riding satisfaction.



Specifications

SPECIFICATIONS	BUSH PILOT	KATMAK	MONDLEEF S	CHEERLE
FRAME SIZES	M: 14", 16", 18", 20", 22" W: 18", 20"	16", 18", 20", 22"	M: 14", 16", 18", 20", 22" W: 18", 20"	M: 16", 18", 20", 22" W: 18", 20"
FRAME	Chro-moly 3 main tubes with oversize down tube, sloping top tube. Men's or women's mountain frame geometry. Outer butted seat tube collar.	31.9mm chro-moly down tube. All other tubes tig welded Hi-tensile. Outer butted seat tube.	Tig welded Hi-tensile mountain bike frame. Available in men's and women's style geometry. Outer butted seat tube collar.	Tig welded Hi-tensile mountain bike frame. Available in men's and women's frame geometry. Outer butted seat tube collar.
REAR STAYS	Hi-tensile fastback stay design.	Hi-tensile.	Hi-tensile.	Hi-tensile.
FORK	Chro-moly 1-1/8" tapered long radius blades.	Unicrown long radius.	Unicrown long radius.	Unicrown long radius.
HEADSET	Standard ATB type. Black.	Standard ATB type. Black.	Standard ATB type. Black.	Standard ATB type. Black.
HANDLEBARS	Flat racing style.	Flat racing style.	Flat racing style.	Mid-rise mountain style.
STEM	Hi-rise mountain stem. Black.	Hi-rise mountain stem. Black.	Hi-rise mountain stem. Black.	Hi-rise mountain stem. Black.
TAPE/GRIPS	Krayton ATB grips.	Krayton ATB grips.	Krayton ATB grips.	Krayton ATB grips.
SADDLE	Wide ATB type pigskin finish vinyl.	Wide ATB type pigskin finish vinyl.	Wide ATB type pigskin finish vinyl.	Wide ATB type pigskin finish vinyl.
SEAT POST	300mm steel, B.E.D. finish.	300mm steel, B.E.D. finish.	300mm steel, B.E.D. finish.	300mm steel, B.E.D. finish.
SHIFT LEVERS	Shimano Altus C-10 7-sp. Rapidfire STI.	Shimano Altus C-20 6-sp. Uni Lever STI.	Shimano MT-21 Dual SIS thumbshifters.	Shimano 5-sp. SIS thumbshifters.
FRONT DERAILLEUR	Shimano Altus C-10.	Shimano Altus C-20.	Shimano Tourney FD-TY-25.	Shimano FD-TY-15-GS.
REAR DERAILLEUR	Shimano Altus C-10.	Shimano Altus C-20.	Shimano Tourney RD-TY-20-GS.	Shimano RD-TY-15-GS.
FREEWHEEL	Shimano 13-30T Hyperglide 7-sp. cassette.	Shimano HG-20 14-28T 6-sp. SIS Hyperglide.	Shimano 14-28T. 6-sp. Hyperglide.	Shimano 14-28T. 5-sp. SIS.
CRANKSET	Shimano Altus C-10 light alloy cranks. 28-38-48T Superglide Dual SIS chain rings. 170mm.	Shimano Altus C-20 light alloy cranks. 28-38-48T Superglide Dual SIS chain rings. 170mm.	Shimano TY-21 light alloy cranks. 28-38-48T Superglide Dual SIS chain rings. 170mm.	Shimano 100 GS black Biopace cranks. 28-38-48T chain rings. 170mm.
BRAKE CALIPERS	Shimano Altus C-10 light alloy, Multi-Condition.	Shimano Altus C-20 light alloy, Multi-Condition.	Chang Star 870s cantilever. Black.	Chang Star 870s cantilevers. Black.
BRAKE LEVERS	Shimano Altus C-10 light alloy.	Shimano Altus C-20 light alloy.	Chang Star 390P, black. Resin covered levers.	Chang Star reinforced levers.
PEDALS	Mountain pedals with reflector.	Plastic mountain pedals with reflectors.	Plastic mountain pedals with reflectors.	Plastic mountain pedals with reflectors.
CHAIN	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" SIS type.
HUBS	Shimano light alloy. Front: quick-release. Rear: 7-sp. nutted cassette.	Front: Light alloy quick-release. Rear: Satin finish nutted.	36 hole chrome-plated steel.	36 hole chrome-plated steel.
SPOKES	14 ga. with 1/8" brass nipples.	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.
RIMS	Araya MP-22 light alloy 26".	Araya MP-22 light alloy 26".	Araya MP-22 light alloy 26".	Araya MP-22 light alloy 26".
TIRES	26" blackwall on/off ATB type.	26" blackwall on/off ATB type.	26" blackwall on/off ATB type.	26" blackwall on/off ATB type.
COLOURS	M: Metallic black, Rich blue, Purple suede. W: Laser purple.	Hunter green, Ferrari red.	M: Tropical teal, Metallic charcoal. W: Pearl indigo.	M: Shiny black and Marine blue. W: Metallic plum.
MISCELLANEOUS	Braze-on cable guides, cable stoppers, "s" brake cable routing on men's, roller cable routing on women's, and reflectors.	Braze-on cable guides, cable stoppers, s-cable routing for rear brake cable.	Braze-on cable guides, cable stoppers, s-cable routing on men's, roller cable routing on women's, and reflectors.	Braze-on cable guides, cable stoppers, s-cable routing on men's, roller cable routing on women's, and reflectors.

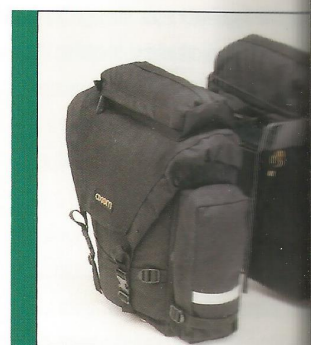
Specifications are subject to change without notice.



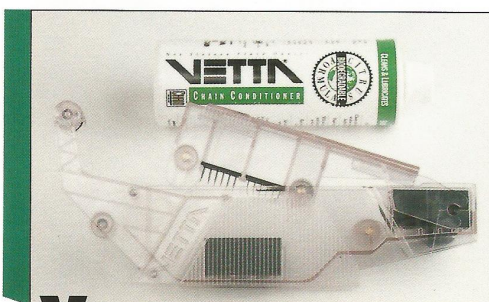
With the continuing growth of the sport of mountain biking, all cyclists must be aware and concerned about the environmental issues affecting all trail users. Our **Norco® riders are actively involved** in a public on safe, responsible use of trails. **Staff members are participating** in trail maintenance committees to better promote mountain biking to lobby for the **opening of mountain bike trails** throughout Canada and the U.S.A. This is an important step which can only be accomplished with effort from all trail users. We all have **serious concerns over the loss of trail riding areas** due to trail closures directly for mountain bikes. Please join us and follow the International Mountain Biking Association **"Code of Ethics"** on all of your rides:

- always yield to hikers and horses.
- never trail speed in relation to terrain.
- never litter (pack out what you pack in).
- trespass (respect private property).
- minimize environmental impact by respecting the environment.
- avoid popular hiking trails, waiting for a dry and ensuring NOT to skid.

For more information about off-road cycling contact: The Canadian Cycling Association or The International Mountain Biking Association. **Please do your part. We are trying to do**



Norco® offers a broad selection of bags.



Vetta chain cleaner and conditioner. The best in chain maintenance.



Zefal and Norco® clips and straps, a wide variety for your cycling needs.



Cateye lights offer the largest selection of headlamps.



JAMMER

The new '93 Jammer lets you get out and do some serious Jammin'. This bike is a junior rider's ticket to happiness. Componentry and frame design have been carefully selected for durability and performance. The always reliable and durable **Shimano TY-20** 18-speed indexed gearing puts quick, easy shifting at your fingertips. Pedaling is stronger with **light alloy cranks** as well as **Araya alloy rims, black-wall on/off road tires** and **Chang Star brakes**.



MINI MOUNTAINEER®

When you need to climb off-road, count on the Mini Mountaineer® to get you there. This rugged junior bicycle boasts **Araya alloy** for light weight and durability.

Shimano 15-speed **ambushifters** offer consistent push-shift indexed gear control. Every detail has been selected to fit the younger rider, such as levers, saddle, grips and pedals are all proportionally smaller for safety and better bike control. Don't get left behind.



Jammer Mini Mountaineer

Micro Mountaineer®



MOUNTAINEER

A micro mountain bike this cool speaks for itself. This '98 is styled like a full size mountain bike. It has 20" wheels and a sloping top tube, a mountain bike frame. Key features include **Araya alloy rims**, **Chang Star cantilever brakes** and reliably smooth shift **Shimano SIS 10-speed gearing**. A chain guard for safety offers protection from the front chain and a rear derailleur guard keeps the derailleur safely protected whenever the bike is laid down. Funky bright **new colors** and gnarly graphics make this bike the talk on the block.



C HEROKEE MINI

The pursuit of adventure is all yours with the Mini Cherokee. Styled in both boys' and girls' models with vibrant new colours and decals, the Mini Cherokee delivers performance and lasting quality with name brand equipment. Indexed **Shimano TV-15** 10-speed gearing provides easy command shifting at your touch and a **Velo padded junior mountain saddle** is the first choice in comfort. We chose a **mid rise mountain stem** and a **junior mountain handlebar** to give a comfortable riding position for the smaller rider. A carefully chosen package to fit your riding style.



HEROKEE MICRO

A micro masterpiece that's perfect for Mom and Dad. This 20" wheel micro comes in both boys' and girls' models. It features a sturdy easy-to-shift **Shimano indexed** gearing and **Mag Star** brakes. Smaller brake levers for younger children offer better control and braking power. The bike has durable **knobby tires** for long lasting performance on any terrain. A trick setup for maximum fun.



Cherokee

Specifications

SPECIFICATIONS	JAMMER	MOUNTAINEER	CHEROKEE
FRAME SIZES	13.5"	11-3/4" (20" wheel boys). 13.5" (24" wheel boys & girls).	11-3/4" (20" wheel boys & girls). 13.5" (24" wheel boys & girls).
FRAME	Tig welded Hi-tensile mini mountain frame. Sloping top tube with outer butted seat collar and S-type rear brake cable routing.	Hi-tensile mini mountain frame. Available in boys 20", girls and boys 24". Outer butted seat tube collar.	Hi-tensile micro mountain bike frame. Sloping top tube design. Available in girls and boys frame geometry (20" or 24" wheel). Outer butted seat tube collar.
REAR STAYS	Hi-tensile.	Hi-tensile.	Hi-tensile.
FORK	Unicorn long radius.	Unicorn long radius.	Unicorn long radius.
HEADSET	Standard ATB type. Black.	Standard ATB type. Black.	Standard ATB type. Black.
HANDLEBARS	Flat racing bar.	Flat racing bar.	Mountain style 30mm rise. Black.
STEM	Hi-rise mountain stem. Black.	Hi-rise mountain stem. Black.	Hi-rise mountain stem. Black.
TAPE/GRIPS	Mini mushroom ATB grips.	Mini mushroom ATB grips.	Mini mushroom ATB grips.
SADDLE	Mini mountain saddle pigskin finish vinyl.	Mini mountain saddle pigskin finish vinyl.	Mini mountain saddle pigskin finish vinyl.
SEAT POST	Steel B.E.D. finish.	Steel B.E.D. finish.	Steel B.E.D. finish.
SHIFT LEVERS	Shimano 6-sp. SIS thumbshifters.	Shimano 5-sp. SIS thumbshifters.	Shimano 5-sp. SIS. 20" wheel right only. 24" right and left.
FRONT DERAILLEUR	Shimano Tourney TY-20.	Shimano FD-TY-15.	Shimano FD-TY-15 on 24" only.
REAR DERAILLEUR	Shimano RD-TY-20 GS with black guard.	Shimano RD-TY-15 with black guard.	Shimano RD-TY-15 with black guard.
FREEWHEEL	Shimano 14-28T 6-sp. SIS Hyperglide.	Shimano 14-28T 5-sp. SIS.	Shimano 14-28T 5-sp. SIS.
CRANKSET	Sugino light alloy triple 28-38-46T with guard. 165mm (black).	24": Sugino triple 28-38-46T with guard. 165mm. 20": Double ATB type. 36-44T with guard 5-1/2".	24": Double ATB type. 36-44T with guard. 165mm. 20": 1 piece BMX style 5-1/2" 42T chain ring.
BRAKE CALIPERS	Chang Star 870s cantilevers. Black.	Chang Star 870s cantilevers. Black.	Chang Star 870s cantilevers. Black.
BRAKE LEVERS	Chang Star Junior ATB levers.	Chang Star Junior ATB levers.	Chang Star Junior ATB levers.
PEDALS	Plastic mountain pedals with reflectors.	Plastic mountain pedals with reflectors.	Plastic mountain pedals with reflectors.
CHAIN	1/2" x 3/32" Hyperglide.	1/2" x 3/32" SIS type.	1/2" x 3/32" SIS type.
HUBS	36 hole chrome-plated steel.	36 hole chrome-plated steel.	36 hole chrome-plated steel.
SPOKES	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.
RIMS	Araya MP-22 light alloy 24".	Araya MP-22 light alloy 20" or 24".	20" or 24" steel chrome plated.
TIRES	24" blackwall knobby.	20" or 24" blackwall knobby.	20" or 24" blackwall knobby.
COLOURS	Laser purple.	B: 20": Sparkling black. 24": Black/purple or Marine blue. G: 24": Metallic purple.	B: 20": Bright yellow. 24": Tropical teal. G: 20": Metallic raspberry. 24": Metallic white.
MISCELLANEOUS	Complete with cable guide, cable stop braze-ons, reflectors & spoke protector.	Complete with cable guide, cable stop braze-ons, s-cable routing on boys, roller cable routing on girls, and reflectors.	Complete with cable guide, cable stop braze-ons, s-cable routing on boys, roller cable routing on girls, and reflectors.

Specifications are subject to change without notice.

At Norco® we are proud to offer a **comprehensive line** of parts and accessories. Whether you need streamers, saddles or suspension, **Norco® has you covered.**



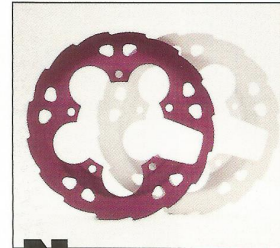
Light weight line-up of Araya rims for winning wheels.



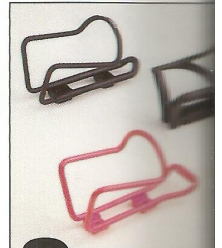
Cygo-lites®, maximum light and minimum weight.



Paracer Smokes and Darts for top trail performance.



Norco® Overdrive Ring Guard aluminum chain ring protector.



Quality cages from Caltan.



Ride safe with reflexite safety products.



The Axium® trailer offers versatility and safety while cycling with your family.



Norco® Duck Tail fenders, to help battle the elements.

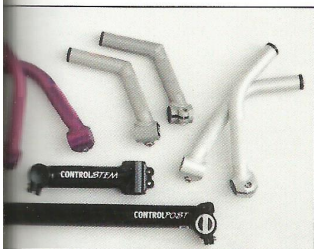


Don't be caught in the dark without an Axiom® light set.

All bikes shown in this brochure come equipped with **reflectors** and **cross-over cable** safety **reflectors** (excluding suspension fork models).



A variety of saddles for every



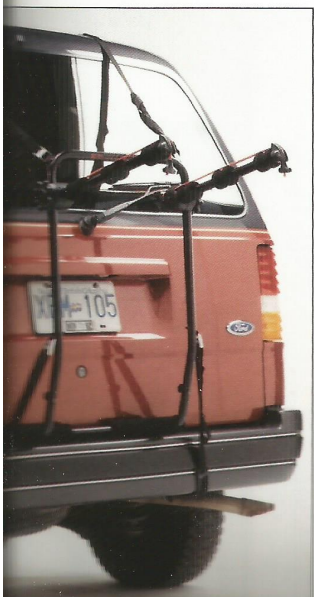
Control Tech off-road upgrades for a competitive edge.



Control Tech offers a complete line of cranks, chainrings and tape.



Control Tech offers a complete line of cycling accessories for complete bike outfitting.



SPECIFICATIONS	AVANTI®	MONTEREY® CROSS	ARCTIC	QUEST
FRAME SIZES	16", 18", 20", 22"	16", 18", 20", 22"	M: 16", 18", 20", 22" W: 17", 19"	M: 18", 20", 22" W: 17", 19"
FRAME	Tange double butted chro-moly with oversize down tube, outer butted seat tube, and extra clearance for fenders.	Chro-moly Hybrid frame with oversize down tube, outer butted seat tube and lathe cut head tube.	Chro-moly Hybrid frame with oversize down tube and outer butted seat tube. Available in men's and women's style geometry.	Hybrid design tig welded Hi-tensile. Available in men's and women's style geometry.
REAR STAYS	Chro-moly triple tapered Fastback style.	Oversize Hi-tensile.	Oversize Hi-tensile.	Hi-tensile.
FORK	Chro-moly blade Hybrid Unicrown.	Chro-moly blade Hybrid Unicrown.	Hybrid Unicrown, long radius.	Long radius Hybrid type.
HEADSET	Sealed mechanism ATB type. Black.	Sealed mechanism ATB type. Black.	Sealed mechanism ATB type. Black.	Standard ATB type. Black.
HANDLEBARS	Zoom light alloy (170 grams).	Flat racing bars.	ATB style with 30mm mid rise.	Flat racing style.
STEM	Hi-rise Hybrid stem. Black.	Hi-rise Hybrid stem. Black.	Hi-rise Hybrid stem. Black.	Hi-rise Hybrid stem. Black.
TAPE/GRIPS	Zoom Competition grips.	Zoom Competition grips.	Zoom Competition grips.	Krayton ATB grips.
SADDLE	Vetta ATB foam w/ perforated Astrale cover.	Velo SS foam with Astrale cover.	Velo SS foam with Astrale cover.	Wide ATB type with SS foam and Lycra cover.
SEAT POST	Kalloy Uno light alloy.	Kalloy chro-moly with alloy head.	300mm steel, B.E.D. finish.	300mm steel, B.E.D. finish.
SHIFT LEVERS	Shimano 400 CX Rapidfire Plus STI.	Shimano Exage 500 7-sp. Rapidfire SIS.	Shimano Exage 500 7-sp. Rapidfire SIS.	Shimano 6-sp. SIS thumbshifters.
FRONT DERAILEUR	Shimano 400 CX.	Shimano Altus A-20.	Shimano Altus C-20.	Shimano Tourney.
REAR DERAILEUR	Shimano 400 CX.	Shimano Altus A-20.	Shimano Altus C-10.	Shimano Tourney.
FREEWHEEL	Shimano 11-19T 7-sp. SIS Hyperglide.	Shimano 13-28T Hyperglide 7-sp. cassette.	Shimano 13-28T Hyperglide 7-sp. cassette.	Shimano 14-28T 6-sp. SIS Hyperglide.
CRANKSET	Shimano 400CX light alloy low-profile. 20-32-42T Dual SIS chain rings.	Sugino GP-130 light alloy crank. 30-42-52T light alloy chain rings. Shimano cartridge BB.	SR T204 light alloy crank. 32-42-52T chain rings. Standard BB with Mitsubishi axle.	Sugino TCFP5 steel plastic coated cranks. 28-38-48T chain rings. 170mm.
BRAKE CALIPERS	Shimano 400 CX low-profile, Multi-Condition.	Shimano Altus C-10 light alloy Multi-Condition.	Shimano TY-20 light alloy Multi-Condition.	Chang Star light alloy low-profile.
BRAKE LEVERS	Shimano 400 CX.	Shimano Exage 500.	Shimano Exage 500.	Chang Star ATB levers.
PEDALS	Tioga Surefoot IV low-profile.	Tioga Surefoot IV low-profile.	Mountain pedals with reflectors.	Mountain pedals with reflectors.
CHAIN	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.	1/2" x 3/32" Hyperglide.
HUBS	Shimano 400 CX quick-release front and rear.	Shimano light alloy. Quick-release front and rear.	Shimano light alloy. Front: quick-release. Rear: freehub (nuttled).	Front: small flange quick-release. Rear: nutted.
SPOKES	Stainless 14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.	14 ga. with 5/8" brass nipples.
RIMS	Araya VX-300 light alloy 700C. Hybrid rims.	Araya PX-45 light alloy 700C. Hybrid rims.	Araya PX-45 light alloy 700C. Hybrid rims.	Araya SP-20 light alloy 700C. 36 hole.
TIRES	Panaracer 700 x 38C Road Runner.	Panaracer 700 x 38C Road Runner.	700 x 38C on/off skinwall Hybrid tread.	700 x 38C on/off road Hybrid tread.
COLOURS	Metallic pearl white.	Metallic burgundy.	M: Tropical teal. W: Pearl white.	M: Tropical teal w/black splash. Black. W: Metallic rhodamine.
MISCELLANEOUS	Toe clips and straps, H ₂ O braze-ons, cable guides, cable stoppers and reflectors.	Toe clips and straps, H ₂ O braze-ons, cable guides, cable stoppers and reflectors.	H ₂ O Braze-ons, cable guides, cable stoppers and reflectors.	H ₂ O Braze-ons, cable guides, cable stoppers and reflectors.

Specifications are subject to change without notice.



Specifications

Avanti® Monterey® Cross



A Street smart sophistication. Offering premium features in every detail, Avanti® boasts a **full chromo-moly frame and fork**, 21-speed **4000 Rapidfire Shimano** shifting, new **Shimano** Multi-Condition brake. Easing you into pure comfort, we've chosen a four-way stretch saddle, **Road Runner** tires and deluxe three finger levers. Right down to the smallest detail, such as stainless spokes and light alloy seat post, the Avanti® is a truly unbeatable urban bike.



MONTEREY® CROSS

The ultimate urbanite, offering comfort and quality you only dreamed of. The styling and riding performance of the '93 Monterey® Cross are second to none. The **3 main frame tubes** and **front forks are chromo-moly**, the headset is a sealed mech type, pedals are **non-slip Tioga** and gearing is the 21-speed **Shimano Altus A-20** and **Exage mix**. Other features on this bike include quick-release hubs and seat post clamp as well as pedal toe clips and Sugino alloy cranks. The paint finish is a high lustre with **full Clear Coat**. Check this one out today.

