

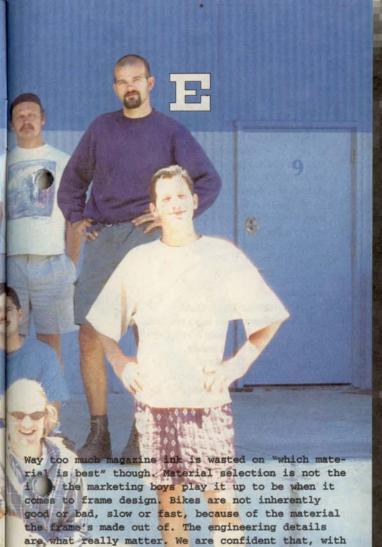


bikes. Maybe both. Either way, thanks for taking the time. We wrote this little book to give you a glimpse of our stuff and a little of what we think about. We're trying not to bore you or insult your intelligence in the process, though we'll admit we are better at making stuff than writing about it. There's a lot more to the story of course, but we don't have enough time or energy to write it all down. So stop by your dealer, or call us up, or visit our Internet site [www.bontrager.com], or come to Santa Cruz and we'll show you what we do. Happy trails.

appropriate way to describe modern physics, and it's also a good way to describe out approach to building bicycles and components. Keep it as simple as you can, but do what it takes to make it work right.

Reith Bontrager started about 16 years ago in a garage in Santa Cruz, building frames and components right. He started building frames out of steel and worked hard at this for years. Now he gets invited to bike festivals all over the world as the guru of steel. It's weird, but it shows how far we've come. Since then, with contributions from the rest of the crew, Bontrager's worked out a titanium frame too.

We've studied other materials, and built some prototypes here and there, but these are the materials we know and trust, and the only ones we use. For now.



our extensive understanding of engineering and

formance bikes and parts, our stuff rules.

materials, our years of hands on experience build-

ing racing frames and components, and our single-

minded dedication to making high quality, high per-

BIKES
Race.

After 16 years our frame
Race
designs aren't revolutionary

designs aren't revolutionary anymore. We'll work with it. It also means that the designs are sorted out. That's unique in the bike biz. The bikes we make work with you and let you do anything and everything you can on the bike, as well as you can, as fast as you can. They perform. And they're durable; they stay together a long time. Day after day, year after year.

The bottom line: You can satisfy your lust for the over hyped retail experiments the big dogs keep rushing out and the magazines keep pushing, built out of poorly understood materials that are refugees from a rapidly shrinking aerospace industry hungry for a commercial outlet, but you will be on the trail or road more; having more fun; becoming a better, fitter, faster rider; today and in the long run, on a Bontrager. (Too deep?- sorry. We do mean it though.)

Race.... page 2 Race Lite page 3 & 4 Ti Lite. page 5 & 6 Kit Build specs & colors . page 7 & 8 Privateer Comp., page 9 & 10 Privateer S.. page 11 Privateer page 12 Cyclocross ... page 13 Road Lite page 14 COMPONENT Handlebars page 16 Seat posts page 17 Stems.... page 17 Tires.... page 18 Rims..... page 18 Bar Ends. . page 19 Grips..... page 19 Saddles.... page 20 APPAREL.

T-shirts.... page 21 & 22

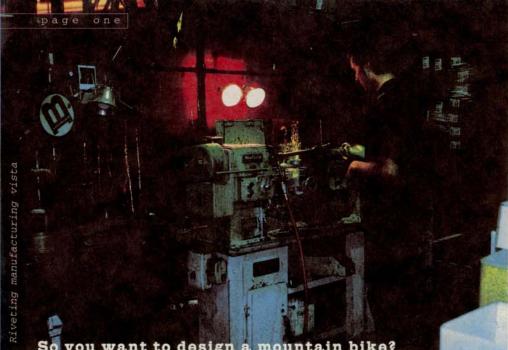
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T-shirt w/collar page



No problem. Anybody can do it. Make it climb— use short chain stays. Make it really climb, use really short chain stays. Put the bottom bracket up high so that you don't hit rocks with your pedals, or maybe down low so you can corner and descend. Use a long top tube to get really stretched out like the magazines say it should be. Keep pretty standard angles because everyone else does. Build it out of some exotic material so you can market it hard, slap on some Rock Shox and you're ready to rock.

Or you could do it the long, hard way. Spend a few decades riding and thinking about bikes, go to school and get very familiar with materials, physics, and engineering. Ride hard and often. And then work it all out the right way. There are too many variables, too many things have to work together for a purpose for the quick and dirty bike to work right.

We do it the hard way. We have a goal for our frame design work. We want to build bikes that are the best you can get for cross country and technical single track riding. This is where people ride the most, and they're the most fun and challenging types of riding you can do. Prototypes are built, thrashed, crashed and revamped, continuously. They have been for 16 years. The results are clear. We did it.

Rear Wishbone

Our wishbone design uses a stiff arch of tubing to connect the brake posts. With the popularity of high performance, high leverage braking systems, this advantage is going to be obvious.

Cantilever Bosses

Our bosses are made up out of different pieces rather than out of one piece., are investment cast steel, and are attached with very short TIG welding beads directed along the length of the tube. They're extremely difficult to break, provide a solid mount for high powered brakes, and can be repaired or refurbished when the time comes.

Rear Drop Outs

Dropouts have been a common failure point in traditional frames over the years. We make our dropouts out of 4130 steel plate, stamped and machined to our specifications. The right dropout is heat treated for added strength. Derailleurs are cheaper than frames right?

Chain Stay Gussets

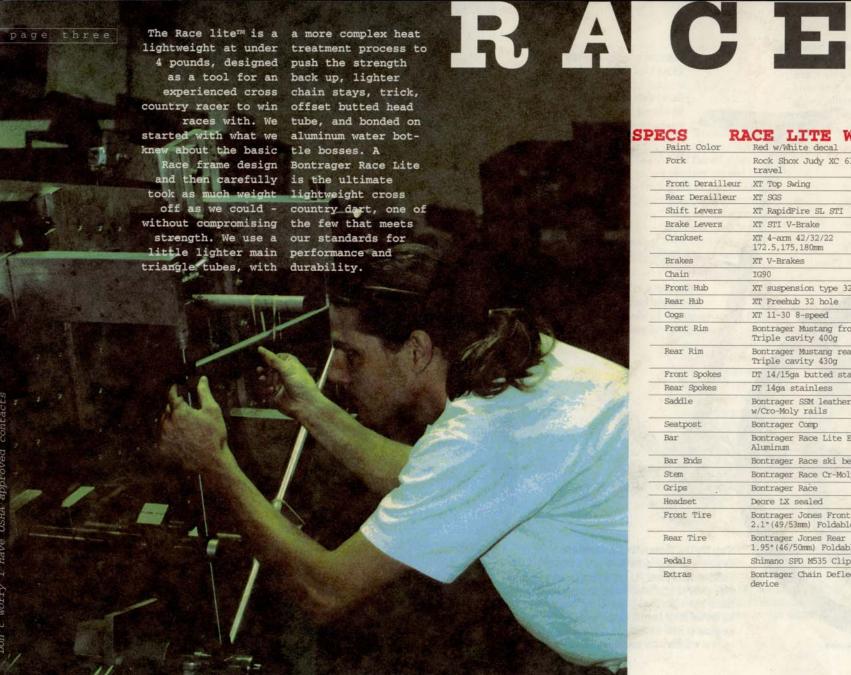
We use chain stay gussets to reinforce the stays at the bottom bracket. No chain stay failures. They also let us lose the chain stay bridge which increases mud clearance and eliminates another problem spot for the chain stays.



Our RaceTM frame is not sold as complete bike because the hypemeisters have too many of you convinced that everybody should be riding the lightest bike rather than the best bike. There is a difference you know.

Over the years we've refined the Race frame to the limit, with every conceivable detail sorted out. The single track handling is dialed. It climbs like a goat. Technical stuff is no problem (for the frame anyway - you are on your own). It's the bulletproof frame a strong, aggressive, or big recreational rider or racer needs to be on the trail, riding hard and often - for years.

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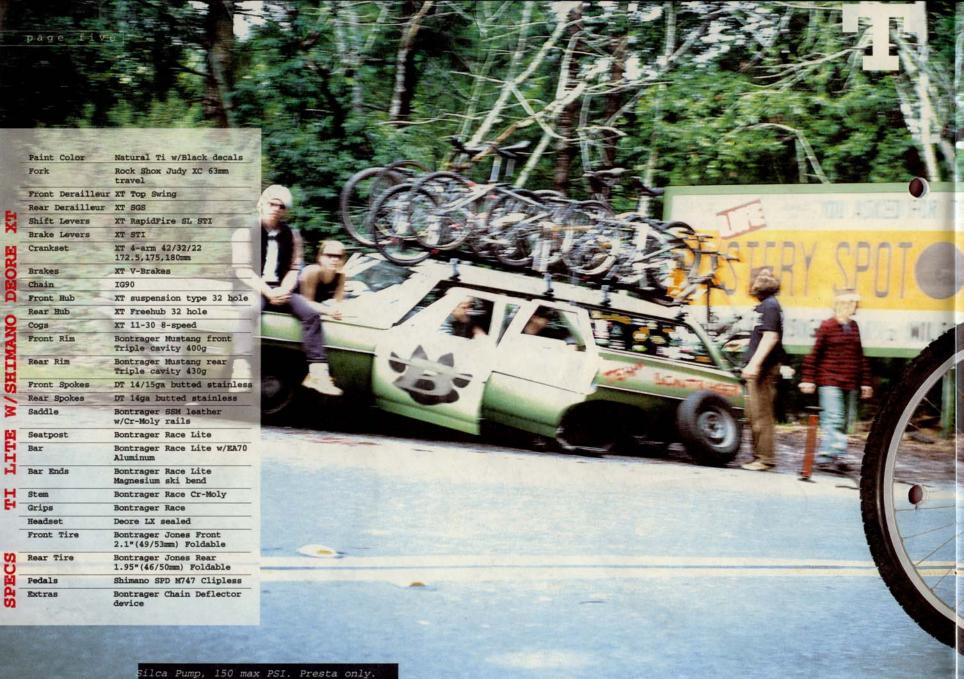


RACE LITE W/SHIMANO I SPECS

Paint Color	Red W/White decal
Fork	Rock Shox Judy XC 63mm travel
Front Derailleur	XT Top Swing
Rear Derailleur	XT SGS
Shift Levers	XT RapidFire SL STI
Brake Levers	XT STI V-Brake
Crankset	XT 4-arm 42/32/22 172.5,175,180mm
Brakes	XT V-Brakes
Chain	IG90
Front Hub	XT suspension type 32 hole
Rear Hub	XT Freehub 32 hole
Cogs	XT 11-30 8-speed
Front Rim	Bontrager Mustang front Triple cavity 400g
Rear Rim	Bontrager Mustang rear Triple cavity 430g
Front Spokes	DT 14/15ga butted stainless
Rear Spokes	DT 14ga stainless
Saddle	Bontrager SSM leather w/Cro-Moly rails
Seatpost	Bontrager Comp
Bar	Bontrager Race Lite EA70 Aluminum
Bar Ends	Bontrager Race ski bend
Stem	Bontrager Race Cr-Moly
Grips .	Bontrager Race
Headset	Deore LX sealed
Front Tire	Bontrager Jones Front 2.1"(49/53mm) Foldable
Rear Tire	Bontrager Jones Rear 1.95" (46/50mm) Foldable
Pedals	Shimano SPD M535 Clipless
Extras	Bontrager Chain Deflector device

lite









KIT BUILD SPECS

SHIMANO XT/SRAM ESP

1.0	TAULUS DOLUMENTS	
	*Rear Derailleur	SRAM ESP 9.0
	*Shift Levers	SRAM GripShift ESP 900
	Brake Levers	Deore XT V brake
	Crankset	Deore XT 4-Arm 42/32.22 (S/172.5, M/175, L/180)
	Brakes cial	Deore XT V brake, spe- pad for Ceramic rims
	Chain	IG90
	Front Hub	Deore XT
	Rear Hub	Deore XT
	Cogs	Deore XT 11-30 8 speed
	Front Rim	Bontrager Mustang Front Ceramic
	Rear Rim	Bontrager Mustang Rear Ceramic
	Front Spokes	DT 14/15 butted stain less, alloy nipples
	Rear Spokes	DT 14/15 butted stain less, alloy nipples
	Grips	SRAM GripShift ESP 900
	Front Tire	Continental Navigator 26x2.0, foldable
	Rear Tire	Continental Traction Pro

*Also available w/XT rear derailleur and RapidFire SL

FOR RACE, RACE LITE AND TI LITE FRAMES

SHIMANO XTR

	Front Derailleur	XTR
	Rear Derailleur	XTR SGS
	Shift Levers	Shimano XTR STI Dual Contro
Ī	Brake Levers	XTR STI V-brake
	Crankset	XTR 46/34/24 (S/172.5, M/175, L/180)
	Brakes	XTR V brake, special pad for Ceramic rims
1	Chain	IG 90
-	Front Hub	XTR 32 hole
Ī	Rear Hub	XTR 32 hole
	Cogs	XTR 12-32 8 speed
Ī	Front Rim	Bontrager Mustang Front Ceramic
	Rear Rim	Bontrager Mustang Rear Ceramic
	Front Spokes	DT 14/15 butted stainless, alloy nipples
	Rear Spokes	DT 14/15 butted stainless, alloy nipples
	Grips	N/A
	Front Tire	Continental Navigator 26x2.0, foldable
	Rear Tire	Continental Traction Pro 26x1.9, foldable

CUSTOM DECALS

the ro.	llowing color:	ollowing color:	
Panel	Lettering	Lettering	
Silver	Blue	Blue	
Silver	Red	Red	3
Silver	White	White	
Silver	Yellow	Yellow	
Silver	Green	Green	Ī

*Ti Lite decals have Black lettering with Blue paw. Road Lite decals have White lettering only with Silver or Black paw.

Black

Red

Silver

Decals are available in



Metallic Purple



26x1.9, foldable

British Racing Green



Metallic Blue



Red



Silver



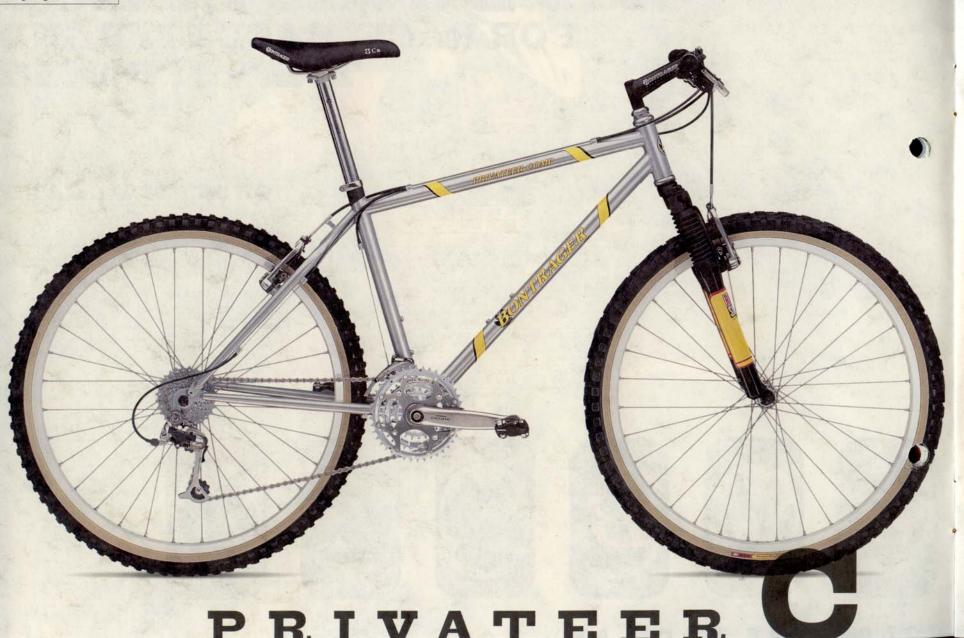
Silver

White

Yellow

Orange

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	Paint Color	Silver w/Yellow & Black decal
	Fork	Rock Shox Judy XC 63mm travel
X	Front Derailleur	XT Top Swing
×	Rear Derailleur	XT SGS
2.7	Shift Levers	XT RapidFire SL STI
2	Brake Levers	XT STI V-Brake
DEORE	Crankset	XT 4-arm 42/32/22 172.5,175,180mm
0	Brakes	XT V-Brakes
-	Chain	IG90
0	Front Hub	XT suspension type 32 hole
4	Rear Hub	XT Freehub 32 hole
5	Cogs	XT 11-30 8-speed
W/SHIMANO	Front Rim	Bontrager Mustang front Triple cavity 400g
SH	Rear Rim	Bontrager Mustang rear Triple cavity 430g
-	Front Spokes	DT 14/15ga butted stainless
15	Rear Spokes	DT 14ga stainless
11	Saddle	Bontrager C30 leather w/Cr-Moly rails
2	Seatpost	Bontrager Comp
5	Bar	Bontrager Race 145g
	Bar Ends	N/A
M	Stem	Bontrager Race Cr-Moly
14	Grips	Bontrager Race
19	Headset	Tange Levin sealed
븬	Front Tire	WIB Velociraptor K front 2.1
RIVATEERTM COMP	Rear Tire	WIB Velociraptor K rear 44/50mm
5	Pedals	Shimano SPD M535 Clipless
PR	Extras	Bontrager Chain Deflector device
DENIE .		

99.9% of the performance, at about 50% of the price... Good idea.

We know that there are a ton of riders who would benefit by riding on one of our Race or Race Lite frames, but not all of them have a thick enough wallet to afford one. Not everyone who rides fast is a highly paid executive. So we've taken all the knowledge we've gained over the years and focused on designing the same performance into our Privateer bikes. We take a little bit of the detail work out of the chain stays, offer a few less colors and sizes, and order much larger production runs from our Midwestern frame building connection. The best way to check one out is to ride it.

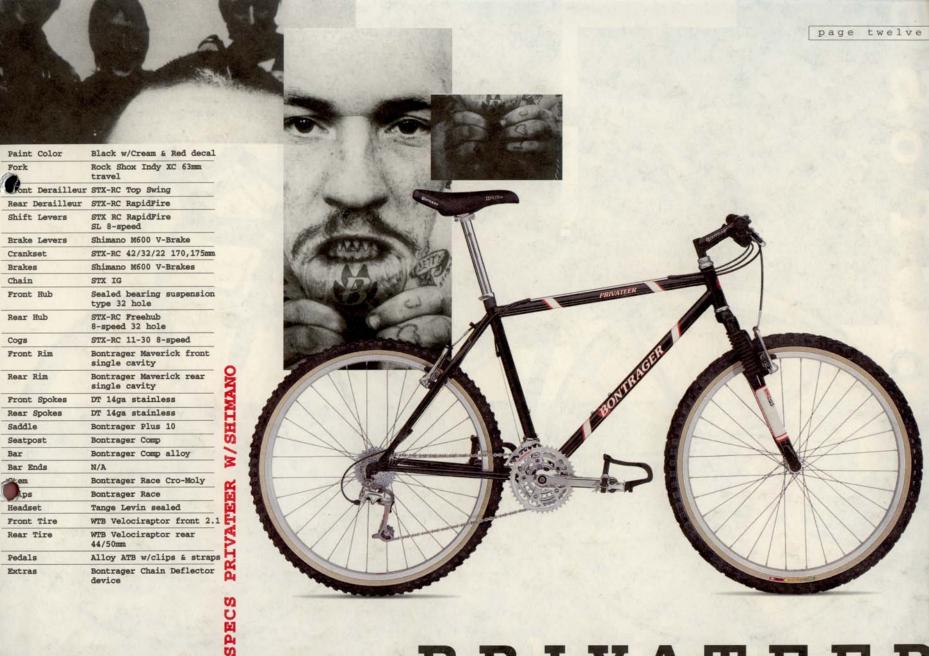


SPECS



Paint Color	Dark Red w/Cream & Black decal
Fork	Rock Shox Indy XC 63mm travel
Front Derailleur	LX Top Swing
Rear Derailleur	XT SGS
Shift Levers	XT RapidFire SL separate
Brake Levers	Shimano M600 V-Brake
Crankset	LX 4-arm 42/32/22 170,175mm
Brakes	Shimano M600 V-Brakes
Chain	IG70
Front Hub	LX 32 hole
Rear Hub	LX Freehub 32 hole
Cogs	LX 11-30 8-speed
Front Rim	Bontrager Maverick front single cavity
Rear Rim	Bontrager Maverick rear single cavity
Front Spokes	DT 14ga stainless
Rear Spokes	DT 14ga stainless
Saddle	Bontrager C20
Seatpost	Bontrager Comp
Bar	Bontrager Race 145g
Bar Ends	N/A
Stem	Bontrager Race Cr-Moly
Grips	Bontrager Race
Headset	Tange Levin sealed
Front Tire	WTB Velociraptor K front 2.1
Rear Tire	WTB Velociraptor K rear 44/50mm
Pedals	Alloy ATB w/clips & straps
Extras	Bontrager Chain Deflector device

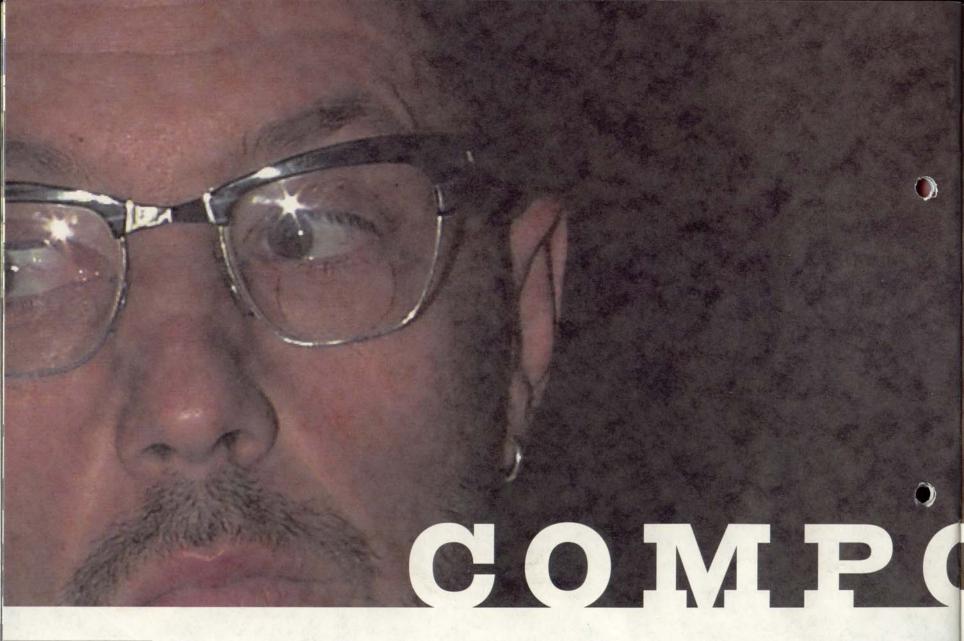
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PRIVATEER







page fifteen



bars on one hand, and all of your fingers. this for years.

design. A durable

of work to sort it all out. But you have maybe not have to use to- each is essential if you want to make a good bar. We won't offer bars We've worked hard at that are not up to hard riding. We ride them too.

We understand handlebar There are lots of basic off road bars. How do ours differ? They are light, lightweight bar is strong and reliable. We also try to make dialed in five performance and durability reasonably critical areas. priced. That's about as good as it gets.

For a load more details on parts you can't afford: The Bontrager Parts and Accessories Catalog. 800.476.BIKE www.Bontrager.com

SEAT POSTS

All any reasonable rider wants is a post that holds the saddle up under any condition, weighs about as much as a cup of coffee, and costs about as much too. That's not too much to ask for is it? Sorry, it is too much. The last one is the killer but we get as close as we can, and it's not simple. The posts we designed are strong, light, and easy to set up. They work. We have the clamps forged because it's the best way to do it. We've designed a complicated shape so that it would be strong (of course) and light.

The shape lets you get to the clamping screws easily and supports them well. It also has plenty of angular range to allow you to adjust the tilt of your saddle to suit your style, easily. And once you adjust it, it stays in place. Then we leave the frilly shine to the CNC folks and the other hot rod parts suppliers who like it this way. I'd rather concentrate on (and spend money on) making parts that do their job, using the best processes and materials I can find; to get the balance between form and function right.

SONTRAGER W

BONTHEVAGIELES

STEMS Our lat

Tatest stems are made from 4130 steel butted tubes, fully heat treated, light, and strong. You probably knew we were going to say something like that. We've even switched to a long draw bolt so those of you who never tighten anything before you go for a ride can use a standard Allen wrench to do your assembly work out on the trail.

Actually we figured out a way to make the stems lighter and stronger with the long bolt than with the older recessed design, so we switched

Our steel Ahead Set stem uses the same basic design and materials as our quill stem, along with a dual binder steerer clamp. We admire all of the cute hidden binder clamps that have been introduced so far, and we would like them even more if they stayed tight in use and didn't crush the steerer tube. And for those of you who feel you must kick your stem with your knees, we've rounded off the edges of the clamps so you won't suffer too badly.

We've also worked out an aluminum Ahead Set style stem. The part is forged so it is consistently strong. It also uses a dual binder steerer clamp, but with the fasteners rotated around to the side. Same argument for this as above. The handlebar clamp is fastened on both sides of the bar, and makes it easy to swap stems (and possible to core the forging). The part is light, strong and reliable, about all you can want from a stem.



We've been thinking (and dreaming) about tires for years, how each performs in different conditions, what's good about this one and bad about that one. We finally cranked up our collective brains and battered bodies this year to do the research and design some new tires. Many hours of ondering, a few huge bruises and lacerations from test riding at insane speeds in marginal traction and a few design revisions later, we have the mix of characteristics and sizes we want.

Introducing Bontrager Jones tires. Jones- it's a common name. Motel clerks see it scribbled all the time. The tires don't need a groovy, go faster name to persuade you. They speak for themselves- out on the trail.

The XC version of the Jones rolls fast, corners well, and stops hard in a variety of situations that are common in single track and cross country racing. The Jones technical tires are for tricky sections where the traction of a fatter tire provides an extra measure of confidence. Blah, blah blah.

We know sounds just like every other off the shelf marketing blurb for tires but for those of you who want to read the details and actually know the differences. Call for The Bontrager Parts and Accessories Catalog. 800.476.BIKE www.bontrager.com

Bontrager Mustangs, Clydesdales and Mavericks Our newest rim designs are an evolutionary step from our Red and Blue label rims. The Mustang is a lightweight triple cavity race rim. while the Maverick is

section version of

Clydesdale is a mul-

ticavity 24mm wide

the Mustang. The

than dirt.

All have the design innovations we've pioneered over the years; specific rims designed for front and rear use, a tall braking surface so cantilever brakes are easy to set up, tapered brake walls for durability, and a reinforced spoke bed area. The difference is that we've adapted these proven designs to work with a new joining process. These new rims are joined by welding, and then the braking surface is machined to smooth it all back out again. This joint is smooth as the head on a freshly poured stout. The changes to the cross section even pump up the lateral strength of the rim a bit. In addition to the new welded a single cavity box rims, we're back on line now with the Weinmann folks. For quite a few years, the Red and Blue label have been the premium rims that have come from this collaboration. These rims are strong, light, build up straight and true and are once again available at thinkin' people's bike bombproof rim stronger shops everywhere.

BAR ENDS

When the lemming like, me-too, me-too frenzy for high rise bars fades and otherwise same (?) people come to their senses, they're going to remember why bar ends are so cool- a variety of hand positions, one for every situation you come up against as you ride. For our Race Lite bar ends we designed new forged aluminum clamps, specified new bends for the magnesium extensions we pioneered, covered them with a textured powder coating so they're easy to hang onto, and then stick it all together with a little bit of glue (well.. adhesive, really expensive adhesive). They're light, durable, comfortable, and available in three bends. For a load more details on parts that can improve your self esteem: The Bontrager Parts and Accessories Catalog. 800.476.BIKE www.Bontrager.com

The Race Bar Ends have all the critical features of our elite bonded magnesium units, are only a bit heavier, are just as strong, but require much less \$. You never get exactly the same specs as the spendy primo stuff for less unless you work for a magazine or you know somebody, but the Race Bar Ends get pretty close. Accept no substitutes.



idea when you bail) so the thickness of the cushioning layer is adjusted to allow for this- keep it mind when you check

them out bare handed.

SADDLES saddles were

developed by cutting the "wings" off of a popular road saddle, duct taping the corners, and riding off blissfully into the hills. What can we say, duct tape is part of our lifestyle. Luckily, Selle San Marco got involved and made the design a bit more marketable with their high quality standards and excellent materials. The change we made to the saddle allows the rider to slip behind the saddle on steep descents, then back to a normal position quickly and easily. We noticed that many riders never touch this part of the saddle anyway,

Bontrager/Selle San Marco sad- deliver good performance for a dles work great and are a big lower cost. We also added the worked closely with Velo, a less callous.

C20

Although these original premier saddle manufacturer, to success, they're also a little "Plus 10" with a wider shell and pricey for some riders on a a bit more padding for female serious budget. Therefore we riders and for riders a little



That's not all- really- we just ran out of room to rant. The Bontrager Parts and Accessories Catalog. 800.476.BIKE for the rest of the

Bontrager components story.









The subdued color scheme and layout is inspired by the fine folks
at Brixton Cycles (in England).
These are worn by Bontrager's
sponsored riders and riders not
sponsored by Bontrager everywhere.
They sport a long front zipper,
and three rear pockets- pretty
much all the details you expect
for people who ride, from people
who ride. Long sleeve or short.
This is the big decision. Feel
free to loose sleep over it.

Black Shorts
Heavyweight 8 panel shorts with a sweet (before you ride in it) chamois to keep your bits and pieces happy.

STOCKING HATS

If you want, it goes on your head. Not suitable for Moab in summer. Best for snowboarding in Tahoe in winter.



blue



For

the Bontrager

dealer

Printed

co

1.800.476.BIKE

Claims under this warranty must be made through an authorized Bontrager dealer. Proof of purchase is required. A warranty registration card must be completed and received by Bontrager Cycles before a warranty claim may be processed.

This warranty covers bicycles and components purchased outside the United States only if purchased through an authorized international Bontrager distributor or Bontrager dealer within the country of purchase.

The warranty does not cover normal wear and tear, improper assembly or follow-up maintenance, installation of parts or accessories not originally intended or compatible with the bicycle as sold, damage or failure due to accident, misuse or neglect, or modification of the frame, fork or components.

Bontrager Cycles shall not be responsible for incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

This warranty gives the consumer specific legal rights, and those rights may vary from place to place. This warranty does not effect the statutory rights of the consumer.

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