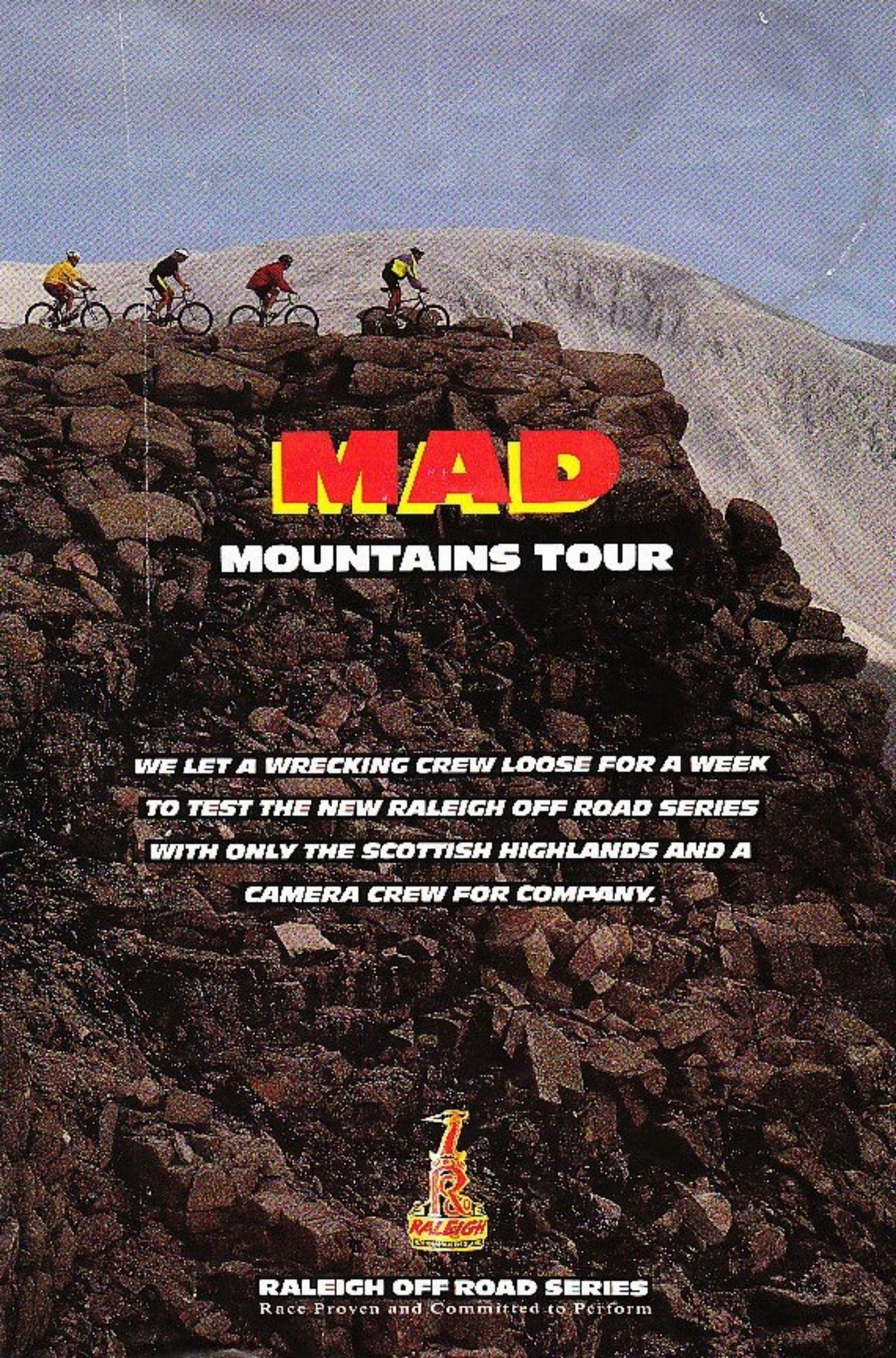

MAD
MOUNTAINS TOUR
WE LET A WRECKING CREW LOOSE FOR A WEEK
TO TEST THE NEW RALEIGH OFF ROAD SERIES
WITH ONLY THE SCOTTISH HIGHLANDS AND A
CAMERA CREW FOR COMPANY.
RALEIGH
RALEIGH OFF ROAD SERIES
Race Proven and Committed to Perform

On Tuesday, the third of September 1991, we conducted a little experiment.

We took four bikes from the all-new Raleigh Off Road Series and gave them to four crack riders – three guys and a girl. (Not Team Raleigh members – we wanted unquestionable objectivity.)

We sent along a mechanic, a camera



crew and a guide and dumped the lot 50 minutes drive from the nearest crofter's cottage.

Then we took the van away and let them get on with it.

This is the story of what happened in the next five days.



The first shock came when our team clocked the bikes they were to ride, close up. The second was when they were told how much the bikes cost.

They genuinely couldn't believe it.

The general opinion was that each bike's bolt-ons were worth more than the asking price.

"This one's got more than four hundred quids worth of kit hanging on it, for a start," said Phil, running a practised eye over his bike.

After a bit of haggling over who would ride which, the Famous Four biked off to get the feel of their machines.



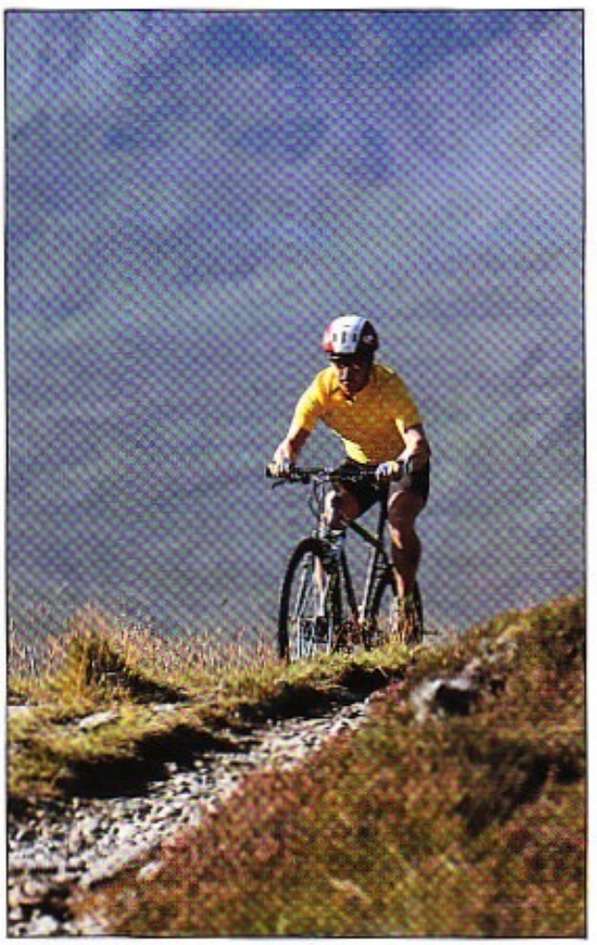
As the terrain got more unforgiving, the loony streak most off-roaders possess became more evident.

They had been told to take the bikes to the limit, and that was what they would do, at whatever cost to themselves.

Coming through some loose scree, Julian "endoed and bailed out", just as the photographer was looking the other way.

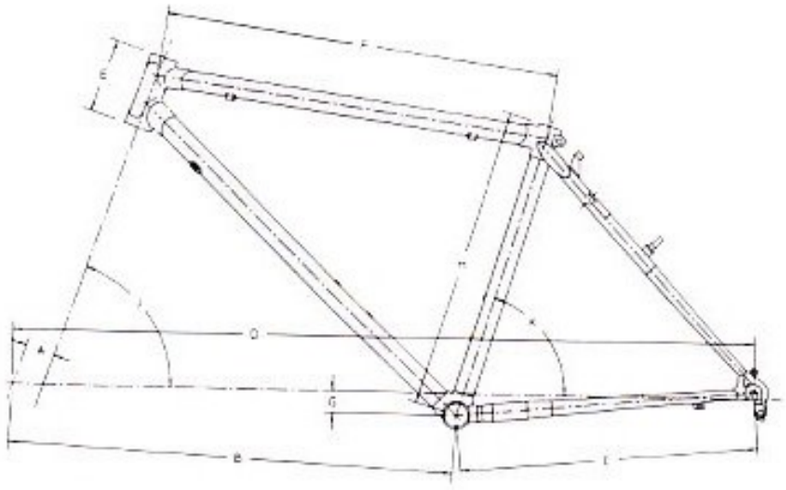
Everyone rushed to help and gathered around the bike to see if it was hurt.

Not a scratch.



With the knowledge gained from the success of the 1991 MTB racing season, the new 'Off Road Series' frame is fully race proven and designed with a commitment to perform.

The strength and weight advantage of Reynolds specially produced K2 Cromoly Mountain Tubing is further enhanced with CAD frame geometry. Responsive yet stable on all terrains the new Off Road Series frame delivers maximum performance with improved climb factor, extra strength in traction and perfect wheel alignment.



	FRAME SIZE		
	17"	19"	21"
Fork Offset (A)	42	42	42
Front Wheel CTRS (B)	631	633	655
Chainstay CTRS (C)	426	426	426
Wheelbase (D)	1056	1056	1076
Head Size (E)	108	139	183
Top Tube CTRS (F)	561	565	586
Bottom Brkt Drop (G)	32	32	32
Frame Size (H)	17	19	21
Head Angle (J)	71°	71°	71°
Seat Angle (K)	73°	73°	73°

PEAK

- Shimano Deore LX ensemble with STI shifting.
- New "Off Road Series" K2 full Cromoly frame with oversize seat stays, oversize head and forged vertical drop-outs.
- Titanium alloy handlebar with "Ergo" Kraton rubber grips.
- Rigida hard Grey anodised rims.
- Titanium finish "Zoom" Cromoly stem.
- Colour: Teal Blue.
- Frame Sizes: 17", 19", 21".



MODEL PEAK 21 **FRAME** New "Off Road Series" Frame Design:- Reynolds K2 Cromoly Double Butted Main Tubes and Rear Triangle; Oversize Head Tube; Oversize Seat Stays; Forged Vertical Drop-Outs; 2 Water Bottle Mounts; Split Q.R. Cable Guides **FORK** New 4130 Cromoly Unicrown with "Finite Response" Blades and Forged Ends **HEADSET** Tange Oversize Sealed Black **RIMS** Rigida Laser 400 Hard Anodised, Grey, 36 Hole **TYRES** 26 x 1.95" All Black Skinwall **HUBS** Shimano Deore LX Alloy Quick Release, 36 Hole **HANDLEBAR** Titanium Alloy Teal Blue with Kraton Rubber Ergonomic Grips **STEM** Titanium Finish "Zoom" Cromoly Oversize with Alloy Cable Hanger **BRAKES** Shimano Deore LX Alloy Low Profile Cantilevers with 3 Finger Brake Levers **DERAILLEUR** Shimano Deore LX STI with Rapid Fire Shifters **CHAINSET** Shimano Deore LX 46/36/24T Round Rings Polished Alloy Detachable **FREEWHEEL** Shimano 12-14-16-18-21-24-28T Hyperglide Cassette **PEDALS** Shimano with Black Clips & Straps **SADDLE** Vetta Gel Aero Shock Absorber – Astrale Finish **SEATPIN** Gun Metal Grey Alloy Low Profile 300 mm **EXTRAS** Quick Release Seat Clamp; Chrome Chainstay Protector **APPROX WEIGHT** 29 lbs **COLOUR** Teal Blue.

SUMMIT



RALEIGH OFF ROAD SERIES
Race Proven and Committed to Perform

- Rock Shox front suspension unit.
- "Off Road Series" K2 full Cromoly frame with oversize seat stays, oversize head and forged vertical drop-outs.
- Shimano Deore LX ensemble with Deore DX STI shifters and brake levers.
- Titanium alloy handlebar with titanium finish "Zoom" Cromoly stem.
- Rigida hard Grey anodised rims.
- Colour: Dark Ruby.
- Frame Sizes: 17", 19", 21".

MODEL SUMMIT 21 **FRAME** New "Off Road Series" Frame Design:- Reynolds K2 Cromoly Double Butted Main Tubes and Rear Triangle; Oversize Head Tube; Oversize Seat Stays; Forged Vertical Drop-Outs; 2 Water Bottle Mounts; Split Q.R. Cable Guides **FORK** Rock Shox Front Suspension Unit **HEADSET** Tange Oversize Sealed Black **RIMS** Rigida Laser 400 Hard Anodised, Grey, 36 Hole **TYRES** 26 x 1.95" All Black Skinwall **HUBS** Shimano Deore LX Alloy Quick Release, 36 Hole **HANDLEBAR** Titanium Alloy Dark Ruby with Kraton Rubber Ergonomic Grips **STEM** Titanium Finish "Zoom" Cromoly Oversize **BRAKES** Shimano Deore LX Low Profile Cantilevers with Deore DX 2 Finger Brake Levers **DERAILLEUR** Shimano Deore LX STI with Deore DX Rapid Fire Shifters **CHAINSET** Shimano Deore LX 46/36/24T Round Rings Polished Alloy Detachable **FREEWHEEL** Shimano 12-14-16-18-21-24-28T Hyperglide Cassette **PEDALS** Shimano with Black Clips & Straps **SADDLE** Vetta Gel Aero Shock Absorber – Astrale Finish **SEATPIN** Gun Metal Grey Alloy Low Profile 300 mm **EXTRAS** Quick Release Seat Clamp; Chrome Chainstay Protector **APPROX WEIGHT** 29½ lbs **COLOUR** Dark Ruby.

APEX

- Girvin suspension Flexstem.
- "Off Road Series" K2 Cromoly frame design with forged vertical drop-outs and Oversize Head Tube.
- Shimano 400 LX ensemble with STI shifting.
- Vetta Aero Gel Shock Absorber saddle with black low profile cromo pin.
- All Black Off Road 1.95" tyres.
- Colour: Pearl Ruby.
- Frame Sizes: 17", 19", 21".



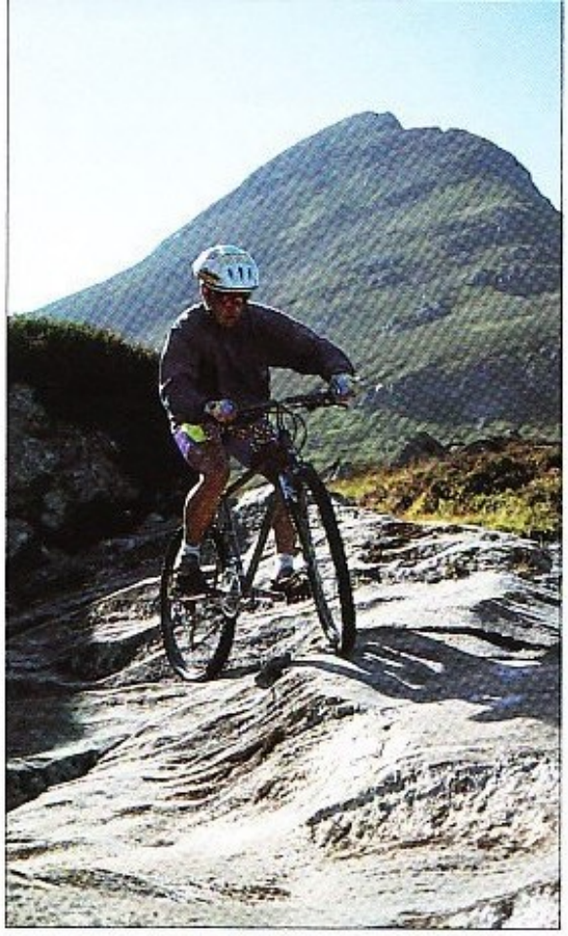
MODEL APEX 21 **FRAME** New "Off Road Series" Frame Design:- Reynolds K2 Cromoly Double Butted Main Tubes; Oversize Head Tube; Forged Vertical Drop-Outs; 2 Water Bottle Mounts; Split Q.R. Cable Guides **FORK** New 4130 Cromoly Unicrown with "Finite Response" Blades and Forged Ends **HEADSET** Tange Oversize Sealed Black **RIMS** Alesa Narrow Black Anodised, 36 Hole **TYRES** 26 x 1.95" All Black Skinwall **HUBS** Shimano 400 LX Alloy Quick Release, 36 Hole **HANDLEBAR** Reynolds 501 Cromoly Black with Kraton Rubber Ergonomic Grips **STEM** Girvin Suspension Flexstem, Silver with Alloy Cable Hanger **BRAKES** Shimano 400 LX Low Profile Cantilevers with 3 Finger Brake Levers **DERAILLEUR** Shimano 400 LX STI with Rapid Fire Shifters **CHAINSET** Shimano 400 LX 48/38/28T All Black Bio-Pace Alloy Detachable **FREEWHEEL** Shimano 13-15-17-20-23-26-30T Hyperglide Cassette **PEDALS** Beartrap with Black Clips & Straps **SADDLE** Vetta Gel Aero Shock Absorber – Astrale Finish **SEAT PIN** Hard Black 4130 Cromoly Low Profile 300mm **EXTRAS** Quick Release Seat Clamp; Chrome Chainstay Protector **APPROX WEIGHT** 30 lbs **COLOUR** Pearl Ruby.

RIDGE

- New "Off Road Series" frame design built using Reynolds K2 Cromoly tubing.
- Shimano 400 LX ensemble with STI shifting.
- Reynolds 501 Cromoly bar with black "Zoom" Cromoly stem.
- All Black Off Road 1.95" tyres.
- Vetta Aero Gel Shock Absorber saddle with low profile black Cromo seat pin.
- Colour: Pearl Purple.
- Frame Sizes: 17", 19", 21".



MODEL RIDGE 21 **FRAME** New "Off Road Series" Frame Design:- Reynolds K2 Cromoly Double Butted Main Tubes; Oversize Head Tube; Forged Vertical Drop-Outs; 2 Waterbottle Mounts; Split Q.R. Cable Guides **FORK** New 4130 Cromoly Unicrown with "Finite Response" Blades and Forged Ends **HEADSET** Tange Oversize Sealed Black **RIMS** Alesa Narrow Black Anodised, 36 Hole **TYRES** 26 x 1.95" All Black Skinwall **HUBS** Shimano 400 LX Alloy Quick Release, 36 Hole **HANDLEBAR** Reynolds 501 Cromoly Black with Kraton Rubber Ergonomic Grips **STEM** Black "Zoom" Cromoly Oversize with Alloy Cable Hanger **BRAKES** Shimano 400 LX Low Profile Cantilevers with 3 Finger Brake Levers **DERAILLEUR** Shimano 400 LX STI with Rapid Fire Shifters **CHAINSET** Shimano 400 LX 48/38/28T All Black Bio-Pace Alloy Detachable **FREEWHEEL** Shimano 13-15-17-20-23-26-30T Hyperglide Cassette **PEDALS** Beartrap with Black Clips & Straps **SADDLE** Vetta Gel Aero Shock Absorber – Astrale Finish **SEAT PIN** Hard Black 4130 Cromoly Low Profile 300mm **EXTRAS** Quick Release Seat Clamp; Chrome Chainstay Protector **APPROX WEIGHT** 30 lbs **COLOUR** Pearl Purple.

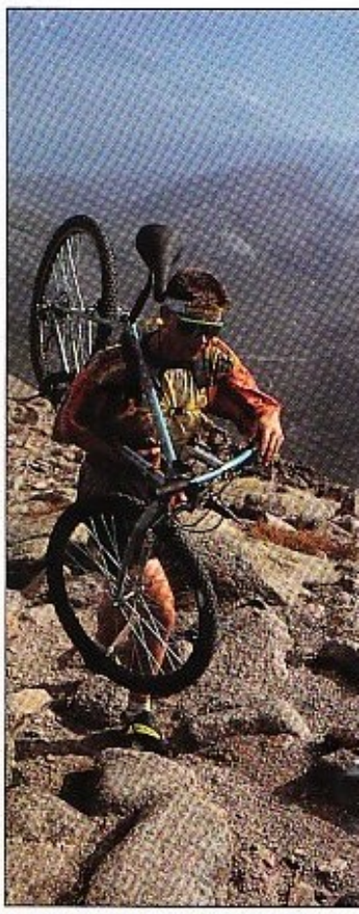


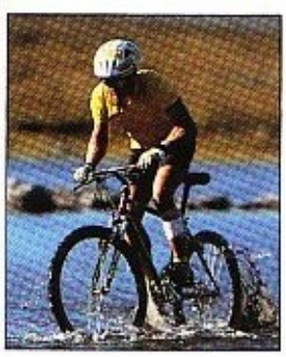
In a couple of minutes the brakes were swapped over to favour Julian's damaged hand.



The photographer grudgingly donated some 'gaffer tape' to strap his wrist.
Over the next 55 action-packed hours, with only the occasional stag or wild white pony to watch, Raleigh's Off Road Series went through the wringer.
Caroline took an early bath in a burn, so that night the mechanic took down the pedal assembly. It was bone dry.
Mark excelled himself by coming down a 4,000 foot mountain by the scenic route with his rear brake locked.

For part of the journey, he rested his bum on the saddle.
This meant that the rear wheel found itself between a lot of rocks and a hard place and, not surprisingly, it bent.
No sweat. The spokes were tightened and Mark was back in business.
Each night in the tents, there were dark mutterings that the only member of the party who didn't extend himself was our mechanic.
He tightened a few pads, pumped a few tyres, washed the bikes down each evening and that was about it.
The four stand-by bikes never came out of their wrappers and the spares kit remained unopened.
When the photographer eventually put his lens cap on for the last time, the hardest bit was about to start.





We had to get the bikes back.
Not off the mountains, but away from Caroline and Phil and Mark and Julian.

RALEIGH

RALEIGH OFF ROAD SERIES
Race Proven and Committed to Perform

The Off Road Series of MTBs from Raleigh gives you more bike for your money than you ever dreamed of. Take the frame.



Raleigh wanted very, very special tubing. As it didn't exist, we developed our own with Reynolds.
The result, K2 Cromoly Mountain Tubing, has eight laterally aligned ribs on the butt section to give enormous strength at the areas of maximum stress.
It also improves triangle rigidity and power transfer. Yet, unbelievably, it weighs less.
The advantages of K2 are maximised in CAD designed geometry which makes the rider at one with his bike.
The forks are new 4130 Cromoly



with continuous radius blades, combining lightness, stiffness and strength; but allowing utterly precise and responsive steering.
For the rear triangle, the Off Road Series has shorter chainstays and forged vertical drop-outs.
You get an improved climb factor with extra strength in traction and perfect wheel alignment.
We've designed in an Oversize Head Tube carrying extra ball bearings for improved steerability and less frame twist.



Stems and fork steerer are also oversize.
Then there's the finish. It is nothing short of breathtaking and as hard as nails.
Frames and forks are given a 15 stage paint process. (Yes, you read it right. 15 stages).
The bikes look as good on the road as they perform off the road.
It isn't the individual features that are important so much as the way they have been combined.



Every model in Raleigh's Off Road Series can truly be said to be "even greater than the sum of its parts". (Open up for the tech spec. Then check it out at your Raleigh dealer. You're not going to believe what you see).



WARRANTY

All Raleigh Off Road Series MTB frames and forks are guaranteed for 15 years.
All components are guaranteed for 1 year (including Rock Shox).
All the bicycles in this catalogue are designed and made in Nottingham, England.

RALEIGH
NOTTINGHAM ENGLAND

RALEIGH OFF ROAD SERIES

RALEIGH INDUSTRIES LTD NOTTINGHAM NG7 2DD ENGLAND

OUR POLICY OF CONTINUAL IMPROVEMENT MEANS THAT PRODUCT SPECIFICATION MAY BE CHANGED WHILST THIS CATALOGUE IS STILL IN USE
OCTOBER 1991
OUR THANKS TO: MARK BIESIEGEL, CAROLINE BRYANT, PHIL CAVELL AND JULIAN WALL FOR THEIR UNFORGIVABLE RIDING,
BEEN BAG FOR THEIR GENEROUS SUPPLY OF CLOTHING AND OSSIAN GUIDES FOR THE WILDERNESS TERRAIN.
PHOTOGRAPHY JOHN HIGGINSON.
DESIGNED AND PRODUCED BY CROSS HILL CONWILL