

ZZIP DESIGNS

P.O. Box 14, Davenport, CA 95017

"I just wanted to write to ZZipp Designs to thank you for your wonderful ZZipper fairing. I have had mine for at least 12 years. It was off my bike recently and when I put it back on, I was surprised at how much faster I was going. I guess that I just got used to it over the years. A happy customer."

Jeff Deilik,
Woodland Hills, CA



Steve Roberts
of Computing
Across
America
rides with
a long bubble
experimenter
kit by ZZIP
Designs.

"The ZZipper windshield has been on my bike over 10 years. It reduces drag 7% in formal tests. My informal tests when I first acquired the unit indicated a measurable gain at 20 mph and a wonderful improvement around 50 mph. The ZZipper makes the rider warmer in the winter and drier in the rain. It also protects the rider from many bugs and projectiles: You know the ones I'm talking about. To be honest, I find no drawbacks and several advantages. The ZZipper weighs less than a full water bottle and really works. It makes a good bike better. . . . I maintain the ZZipper increases safety through visibility. People really notice a bike with a ZZipper. The more drivers who see me, the safer I am and that makes a case for garish clothing, too. On the other side of visibility, avoid the partially opaque windshields as I think they will obscure your forward vision of those things you don't want to run over. Consider Aerodynamics, The Go-Fast Trick of 1989 (and the past ten years)."

Dr. Charlton H. Jones
—Professor Oglethorpe University,
Atlanta, GA.

(Sent as a letter to the editor of
"Freewheelin'", the magazine of
the Southern Bicycle League,
Sept. 1989.)



ZZIPPER®
ROAD
FAIRINGS



RYAN ZZIPPER
 This fairing has been streamlined on the sides to minimize side force while offering a maximum of drag reduction. A wind tunnel test at M.I.T. showed 20% drag reduction. (Data can be obtained through Ryan Recumbants.) Our customers have been most impressed by the quality of workmanship in the mounting hardware and how easily the fairing mounts.

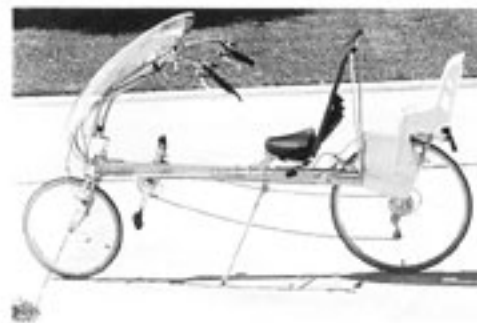
ZZIPPER T (above) is a remarkable fairing when considering the number that are still out there over 10 years. It offers the maximum of streamlining with a minimum of side force. At 14 oz., including the epoxy coated aluminum mounts, it's light—while made of Lexan®, it's clear and strong.



AM ZZIPPER
 shown at left is the new high tech Alex Moulton bike, "Jubilee" with Zipper fairing and body stocking. The fairing has been lightened (10-11%) with slightly lesser thickness Lexan®. New attaching hardware of nylon bolts, wing nuts and rubbernylon washers offer a surprisingly quiet ride.



Shown below Maggie Victor who rides with Steve Roberts "Computing across America" and her Ryan Vanguard with ZZIP DESIGNS special fairing and mounting system.



SUPER ZZIPPER
 (Shown at left) mounts to Kann-Linear recumbant bicycle with T-bracket assembly at top with bent aluminum mount at forks.

TRI-ATHLETE BARS
 (Shown at right) will mount ZZIPPER with T-brackets and 7/8" clamp.



ZZ-ATB (left) A slightly more streamlined version of the mountain bike zipper with advantages of brush protection more enjoyable riding in cooler climates and significant drag reduction—at 13 oz., it's a light and strong alternative.



for more information call 408 425 8650

**Z ZZIPPER®
 ROAD
 FAIRINGS**