

DESIGNED AND BUILT LIKE NO OTHER BICYCLE



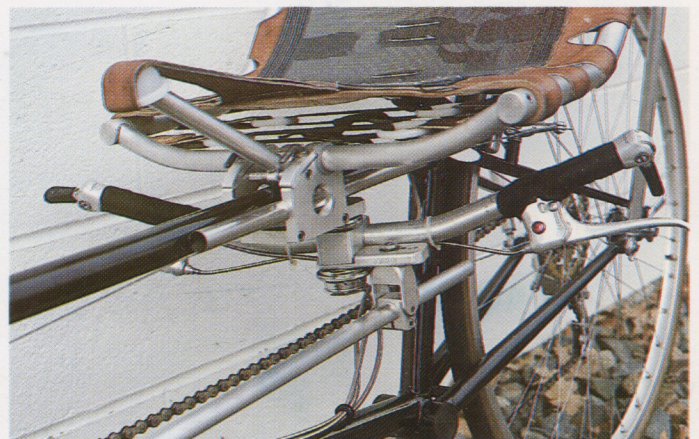
AVATAR 2000™

NOW THAT OVER TEN THOUSAND MILES OF ROAD-TESTING AND TEN YEARS OF DEVELOPMENT WORK ARE DONE IT ALL MAKES SENSE.

WE TOOK ON THE CONVENTIONAL BICYCLE — IT WAS NOT MUCH OF A CONTEST: HERE IS HOW THE SCORING WENT —

- Power delivery to the pedals is more efficient, because the rider pushes back into the seat with the hips rather than taking much of the reaction force through the back and arms, resulting in significant backstrain and general fatigue reduction.
- The whole of the rider's lungs, especially the diaphragm, is being used as opposed to a constricted diaphragm due to the crouched position on the conventional bicycle.
- Wind resistance is lower even without any form of shielding. The addition of shielding to provide further drag reduction and also weather protection, is simpler than for a conventional bicycle - we are working on some designs.
- No more frame sizes to consider. A sliding seat undercarriage on two stainless steel tubes facilitates seat-to-pedals distance adjustments in infinite increments as dictated by the rider's leg length.
- As a result of the lower center of gravity, "over-the-handlebar" spills, which with traditional bicycles too often lead to skull and spinal fractures, are virtually impossible. In the event of a spill, one tends to land on one's feet, not on face or head.

- More efficient
- Much safer
- Much kinder to the human body
- Totally hand-crafted



- It is virtually impossible to catch the pedals on the ground - a frequent cause of sometimes-disastrous spills on traditional bicycles. One can, therefore, pedal right around curves.

- The lower center of gravity, improved weight distribution, and the utilization of tandem cantilever brakes yield much more effective braking than is possible with traditional bicycles.

Furthermore, the position of the brake levers on the handlebars beneath the seat is such that the hands comfortably rest over the brake levers ready for immediate action if needed. On regular "dropped-handlebar" bicycles, the use of the lower hand position is such a strain on the back and hands that riders frequently use the upper position, from which braking is less effective and more delayed.

When compared with the higher center of gravity riding position on a conventional bicycle, tests under conditions of snow and ice have shown that it is somewhat more difficult to recover from a sideways skid on the AVATAR 2000™. A possible fall, however, we found of little or no consequence in that one is deposited, more or less, gently on the ground.

Under heavy traffic conditions, and from a lower sitting position, we initially encountered some difficulties in judging what is coming from behind, in terms of distance and relative speed. Getting into the habit of momentarily sitting upright and turning half around in the seat, however, affords one the timely detection of vehicles approaching from the rear.

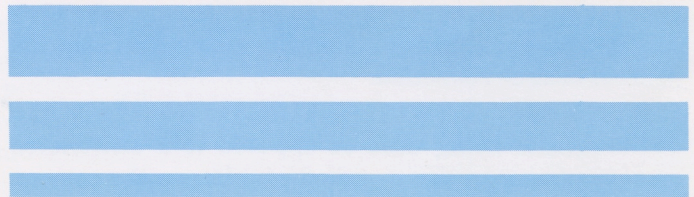
- The sitting position of the rider facilitates just about the same eye-contact level as that of drivers in regular automobiles, and communication seems easier and more friendly.

- In the same vein, signalling turns is more visible and easier. This is especially true when riding up hills, because one hand can be taken off the handlebar at any time. On conventional bicycles, one has to pull on the handlebars, and removing one hand usually leads to wobbling, reduced power and greater strain.

- The now-medically recognized nerve damage to the hands, and crotch region which comes from intensive use of conventional ten-speed bicycles is completely absent in our recumbent design. Furthermore, the back is unstrained and fully supported in an optimum curvature, making our AVATAR 2000™ beneficial for both healthy and weak backs.

- It is very comfortable - and possibly even adds a little missing dignity - to be able to put one's feet flat on the ground when waiting at traffic lights or when chatting with friends.

- Storage and shipping options are greatly enhanced, because the seat can be folded or removed without any tools and, most important, without disturbing the seat-to-pedals distance relationship.



- We have designed an optional luggage rack which, when compared with conventional carriers, yields three times the dimensional loading capacity. It fastens to the seat frame without having to use tools.

- One does not have to swing one's leg over the seat which makes it easier to carry a safety flag provided with our AVATAR 2000™ along with an amber sixty flashes-per-minute beacon to enhance greater visibility. WE TAKE OUR BUSINESS VERY SERIOUSLY AND REALIZE THAT HAND-CRAFTING OUR AVATAR 2000™ IS A VERY SLOW AND DELIBERATE PROCESS NOT YIELDING GREAT NUMBERS OF UNITS SOLD.....

but it's the only way we know of to consistently deliver what we claim above.

AVATAR 2000™ SPECIFICATIONS

FRAME: Seat and chain stays, fork and steerer-REYNOLDS 531 butted tubes

Head, top, seat and bottom bracket tubes-4130 Chrome-molybdenum

Drop-outs - Vertical, SUN TOUR EF130

Seat tracks - Stainless steel

Finish - Epoxy primer with black Du Pont IMERON® top coat

Wheel base - 63"

Bottom bracket height - 12½" off ground

® Registered trademark of E. I. Dupont de Nemours and Company, Inc.

SEAT: Tubular frame - 6061-T6 and 2024-T3 anodized alloy, removable and foldable without tools

Covering - Stitched leather with nylon mesh insert, adjustable with rear tension straps

Height - 24" off ground

HANDLEBAR: 6061-T6 anodized alloy

STEERING ROD: 2024-T3 anodized alloy

HEADSET: SUN TOUR "Superbe" black

WHEELS: Front - WEINMANN 101A alloy clincher 16"x1⅜" rim with AVOCET Model II Q.R. low-flange hub and DT stainless steel spokes

Rear - WEINMANN 124A alloy clincher 27"x1¼" rim with AVOCET Model II Q.R. low-flange hub and DT stainless steel spokes

TIRES: Front - 16"x1⅜", IRC

Rear - 27"x1⅜", IRC, 100 p.s.i.

BRAKES: MAFAC H5 "Cyclo-Tandem" cantilever calipers with five-stud blocks and WEINMANN 97-W flat alloy levers

DRIVE: (21-speed) Front derailleur - SUN TOUR "Cyclone", black

Rear derailleur - SUN TOUR "Cyclone GT", black

Controls - SUN TOUR "Bar-Con", black

Chain - SUN TOUR "Ultra"

Freewheel - SUN TOUR "Ultra seven" (13-15-17-20-23-26-30)

Cranks - T.A. "Cyclotouriste" triple chainwheels (34-49-53), 170mm crankarms

Pedals - SUN TOUR "Superbe", black, with reflectors and AVOCET Model III alloy toe clips and AVOCET Model III black toe straps

WEIGHT: 29 lbs.

OTHER: Chainguard - frame clip-on

Kickstand - ESGE alloy

Full fenders - ESGE "chromoplastic"

Safety flag - 6' long fiberglass pole with 9"x12" orange flag

Reflectors - CAT-EYE, in spokes as well as on front and rear of unit

Beacon flashing unit - AMPEC M3B60, 60 amber flashes per minute.

Please note: Due to possible availability restrictions of materials and components, we reserve the right, without notice, to make material and component substitutions of equal quality and application.



FOMAC, INC. LIMITED WARRANTY
(covering your AVATAR 2000™ Recumbent bicycle)

FOMAC, Inc. (hereinafter referred to as FOMAC) warrants the following:

The frame against defect in material and/or workmanship without any specific time limit - applicable to original ownership only.

Any other parts against defect in material and/or workmanship for one (1) year from date of purchase - applicable to original ownership only.

(A) CLAIMS:

- (I) **Relating to frame:** Ship frame only to FOMAC, shipping charges prepaid (under no conditions will FOMAC be responsible for damage or loss in transit).

Send evidence of shipping charges to FOMAC.

If claim is justified: If FOMAC determines that either repair or replacement is justified under the terms of this warranty, FOMAC will either repair or replace your frame, at no cost to you, and will ship it to you within sixty (60) days, shipping charges prepaid.

In addition, FOMAC will reimburse you for shipping charges incurred by you, when you shipped your frame to FOMAC.

If claim is not justified: If FOMAC determines that either repair or replacement is not justified under the terms of this warranty, you will be notified within thirty (30) days, with a reason stated and will be advised of the cost of repair or replacement.

You may then authorize FOMAC to make the repair or replacement of your frame with accompanied payment. Upon receipt of your payment, FOMAC will ship your repaired or replaced frame to you, shipping charges collect, in which case you will not be reimbursed by FOMAC for shipping charges incurred by you, when you shipped your frame to FOMAC.

If you fail to make the necessary payment for repair or replacement of your frame within sixty (60) days from FOMAC's notification, FOMAC shall be free to ship to you your frame, C.O.D., shipping charges collect.

If you fail to pay C.O.D. charges and the frame is returned to FOMAC as a result, it will become the property of FOMAC.

- (II) **Relating to any other parts:** The same procedures and conditions apply as to claims relating to the frame described above, except that shipping charges from you to FOMAC and FOMAC to you shall be at your expense.

(B) EXCLUSIONS:

- (1) This warranty does not cover:
 - (a) Tires and tubes;
 - (b) Results of normal wear and tear;
 - (c) Labor charges;
 - (d) Failures or paint blemishes due to accidents, neglect, misuse, abuse and improper assembly.
- (2) The use of components and modifications inconsistent with the use originally intended for the unit as sold is not covered by this warranty.
- (3) The sole and exclusive liability of FOMAC and/or its authorized representatives shall be the replacement or the repair of the defective part or frame in accordance with the terms set forth above.
- (4) Under no condition shall FOMAC's liability exceed the original selling price of the unit, nor shall FOMAC be held liable for any incidental or consequential damages of any kind, at any time, such as but not by way of limitation, damages to property or for personal injuries.
- (5) FOMAC makes no other warranties, guarantees, or promises - whether expressed or implied.
- (6) The AVATAR 2000™ Recumbent bicycle is not designed, manufactured, marketed or sold for use in motocross, stunt riding, ramp-jumping, speed trials or any other similar activity. In addition, it is not intended to be used with combustion engines or any power-driven apparatus. Not under this warranty nor any Federal, State, or Common Law, or otherwise, shall FOMAC and/or its authorized representatives be liable for any damages and/or personal injuries which may result from such use.

(C) LIMITATIONS AND OTHER RIGHTS:

- (1) The above limitations or exclusions may not apply to you, since there are some states that do not permit limitations as to the duration of an implied warranty, or the exclusion or limitation of incidental or consequential damages.
- (2) This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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