

parts and accessories

energy food

Gatorade 26

tools

Dia-Compe 15
3rd Hand 15,32
4th Hand 15,32
Dura-Ace 16
SunTour 16,19
Cyclo 19
Sprocket Tool 19,32
Campagnolo 20
Park 22
Artisan 22,32
Sugino 23
TA 23
Tire Levers 29
Velox 29
Tire Savers 29
Spoke Wrench 30
Headset Wrench 30
Truing Stands 31
Tire Gauge 31
HKC Cone 32
Open End 32
Cycle Pro Kits 32
BRP Cone 32
Display Stand 32
HKC Metric 32
Park 32

apparel

Bike Warehouse 6
Protogs 6
Bike Nashbar 6,7
Cannondale 7,9
Crotch Liners 7
Arm, Leg Warmers 7,6
Sweat Band 7
Trouser Glove 7
Cycling Gloves 7
Campagnolo 7,21
Sunglasses 7
Colnago 7
Sergal 7
Ponch & Chaps 8
Transfers 8
T-Shirts 8
Racing Caps 8
Rear-view Mirror 8
Racing Helmet 8
Helmet Covers 8
Bell Helmets 8
Avocet 9
Sport Laces 9
Toe Warmers 9
Detto Pietro 9
Bata Biker 9
Shoe Covers 9
Patty Kits 9
Wigwam Socks 9
Rain Suit 9
New Balance 9,36,s5
Lapel Pins 21

camping

Cannondale 12
Texsport 34
Peak 1 34
Lashing Straps 34
Hammock 34
Silva 34
Mirro 34
Thermos 34
Pak Foam 34
Outdoor Prod. 34
MSR 34
Sleeping Bags 35
Tents 35

bags

Rhode Gear 10
Bike Warehouse 11
Cannondale 12
Folding Baskets 13
Cyclepro 13
Campagnolo 20
Texsport 35
Coleman 35

brakes

Cable/Housing 14
Modolo 14
Mafac 14
Shimano 14,16
Cable Clamp 15
Dia-Compe 15
Mathausen 15
Dura-Ace 15,17
Superbe 15,19
Campagnolo 15,20
Zeus 15,21

freewheels

Dura-Ace 16
SunTour 18
Ultra 18
Regina 18
Maillard 18
Campagnolo 18,20
Bearings 24
Zeus 21

derailleurs & controls

Wescon 14,25
Cables 14,25
Dura-Ace 16,17
600 16,17
SunTour 18,19
Superbe 19
Campagnolo 20
Bullseye 24
Zeus 21

rollers

Roto 5
Bike Warehouse 5
Racer Mate 5
Turbo Trainer 5
Wind Trainer 5

saddles

Avocet 14,26
Cinelli 26
Brooks 26
Seat Covers 26
Cyclepro 26
Seat Bags 26
Concor 26

seatposts

Campagnolo 20,25
Zeus 21,24
Sakae 25
Seatpost Bolt 25

COMPLETE BIKES
See Frame Specifier
inside

frames

See Frame Specifier

pumps

Silca 31
Zefal 31
MDI 31

bars & stems

Cinelli 25
Sakae 25
Pivo 25

tapes

Tressostar 15
Bailey III 15
Cushion Padding 15
Plugs 15

headsets

Avocet 14
Shimano 600 16
Dura-Ace 16
Campagnolo 20
Bearings 24
Cyclepro 31
Zeus 31
Specialized 31

specs & info

Ordering Info 2
Gift Certificate 2
Why Use Rollers 5
Bottles & Cages 13
Front Drop Bolt 15
Gearing 17
Sprocket Tool 19
Chain Length 19
Bike Builders 22
Threads 24
Brakes 24
Bearing Sizes 24
Sizing Info 25
Seatpost Lengths 25
Gearing 27
Energy Tips 26
Clincher/Rims 29
Spoke Sizes 30
Pump Sizing 31
Cone Wrenches 32
Bike CLUBhouse 36

bottles & cages

Minoura 10
REG 10
Rhode Gear 10
Cannondale 10
Bike Warehouse 10
Blackburn 10
Aerodynamic 10

hubs

Avocet 14
Dura-Ace 16,17
600 16,17
SunTour 19
Campagnolo 20
Bearings 22
O.M.A.S. 24
Cyclepro 30
Zeus 21

rims

Ambrosio 28
Araya 28
Rigida 28
Fiamme 28
Super Champion 28
Budget Wheels 30
Built Wheels 30
Truing Stands 31

pedals

Dura-Ace AX 17
SunTour 19
Campagnolo 20
Bearings 24
Top Run 24
Pro Ace 24
Reflectors 24
Sakae 24,25
Esquartz 24
Zeus 21

tires

Clement 28
Hutchinson 28
Levers 28
National 28,29
Wolber 28,29
Specialized 29
Michelin 29
Tubes 29
Tire Savers 29
Repair Kits 29

grease

Campagnolo 20
Care 32
Gold Seal 32

spokes

Spoke Protector 18
Monogram 30
D.T. 30

accessories

Child Carriers 23
Mirrors 8,15
Trailer 11,12
Fairing 18
Flickstand 10
Display Stand 32
Sanyo Light 33
Wonder 33
Armight 33
Soubitez 33
Belt Beacon 33
Locks & Cable 33
Fenders 33
Storage Hooks 33
Bike Computer 33
Multito 33
Halt 33
Super Sound 33
Travel Bag 33
Fanny Bumper 33
Handlebar Bell 33
Books 36,37
Pancake Mix 14
Key Ring 21

chains

Uniglide 16,19
Regina 19
Sedis 19
Ultra-6 19
Guards 19

bottom brackets

Avocet 7
Campagnolo 20
SR 22
O.M.A.S. 22
Sugino 23
Bearings 24
Zeus 21

cranks

Shimano 17
Dura-Ace 16,17
Campagnolo 20
SR 22,25
Sugino 23
TA 23
Zeus 21

toe clips & straps

Dura-Ace EX 16
KKT 24
Christophe 24
Binda 24
Bike Warehouse 24
Cyclepro 24
Toe Warmers 24
Campagnolo 20

**GUARANTEED
LOWEST PRICES**
*FAST SERVICE *"NO-WAIT" CALLING

**BIKES, KITS
AND FRAMES**
**RACQUETBALL
EXERCISERS**

NOTICE: If you haven't purchased from us or paid for a catalog subscription in the past year—THIS WILL BE YOUR LAST CATALOG

SATISFACTION GUARANTEED
"No Wait" Ordering (216) 542-3671
Toll Free 1-800-321-2474

27

**bike
nashbar**



FORMERLY BIKE WAREHOUSE A DIVISION OF NASHBAR ASSOCIATES, INC.

STOCK NUMBERS

Supplier (2) (X) ☐ (K) ☐ Product (1-7) ☐ Info Code ☐

identifies a Sports (Ski) Nashbar supplier

identifies item as a Kit

If the Stock Number ends with an X, you must provide ALL necessary information pertaining to that part. Such information could include:

Color
Extension & Diameter (stems)
Holes (wheels and hubs)
Threads, Teeth, B.B. Width, Arm Length (cranks)
Size & Color (clothes, frames)
Length (spokes)
Model
Parts (built wheels)
Threads (headset B.B.) or Teeth (chainrings, sprockets)
Size (seatpost, clothes, rims, tires, toe clips, frames, bearings and width of handlebars)

-NOTICE-

Processing of RETURNS takes about 2 WEEKS.....DO NOT SEND NEW ORDERS along with returns—Send separately.

PLEASE USE ORIGINAL PACKAGING WHEN SENDING BACK YOUR RETURNS.

changes

Due to our immediate processing of orders, it is difficult to make any changes until you actually receive your order.

problems

AND WHAT TO DO

We are sorry but a small percent of our orders do go astray. Here's what you can do to help us correct the situation.

DO NOT CALL! It will take a while to find the problem and the call will be expensive.

1. If you have not received your order at all (after a reasonable amount of time)

- Did you send a personal check over \$50? We have to hold your order for three weeks for the check to clear the bank.
- Did you include your complete address? We get several orders a day that do not have an address on their order. Addresses on the envelopes or checks do not reach the shipping department. If you think this may be the problem—See D below.
- Did you order a special order item? A few items (as listed) in the catalog are special order and hold up the entire order two to three weeks.
- If none of the above apply—send us a copy of your order (a quick note will work). Indicate what you ordered, the approximate date, how it was ordered (mail or phone); and how it was paid for (check, money order or credit card). With this information we can locate and process your order immediately. Be sure to include your complete address.

2. If you received your order, the first thing to do is read over your packing slip. See if the codes indicated in the left hand column explain the situation. If not, read on.

- Were you sent the wrong item or wrong size? If we made the mistake, mail us the item, packing slip and order form, with a note indicating the problem.
- If you ordered wrong—you may return the undamaged item to us by insured parcel post for exchange. Be sure to include re-shipping charges.
- If we omitted an item you paid for or if you got an additional item or a complete package that you didn't order: send back the package, packing slip and your order form with a note indicating the problem. We will immediately send you what you want.
- If your order was damaged in shipment, accept the order. PLEASE REPORT THE DAMAGE AT ONCE TO THE LOCAL UPS OR POST OFFICE. You must hold the original carton and damaged merchandise for inspection—otherwise no claims can be honored.

FACT: OUR NAME BRAND PRODUCTS
(Bike Warehouse, Bike Nashbar, Nashbar Road/Tour/CE) are made by big name manufacturers—they require us to use our own name in order to discount the product as much as we do.

our policy

All items in this catalog are new & guaranteed to be free of defects. Unless the defects were caused by the customer, we will replace the item. We will not be liable for consequential damages, transportation costs or labor charges related to claims.

All orders (in stock) we try to ship the day received. If we are out of an item, and expect to receive it soon, we will hold up your order for 21 days. If the item doesn't come in, we will ship the balance of order.

Order now. Quantities limited. Due to irregular supplies, we may have to substitute merchandise of equal quality. Please state substitutes in size, type or color.

On orders marked RUSH in-stock items only will be shipped.

Due to sudden cost changes beyond our control, we reserve the right to change prices without notice. However, our profit margin is always kept to a minimum.

'store' policy

We must follow our MAIL ORDER format in the store so that we can GUARANTEE the LOWEST PRICES in the country—

- Please take a catalog, clipboard & order form.
- Read the catalog!!! Most questions can be answered by reading the item descriptions. We cannot answer questions or demonstrate merchandise.
- Completely fill out your order form (except totals). A \$5 minimum and sales tax applies to all orders.
- Ring service bell to have your order filled.

mail order payment

We accept Personal Checks (under \$50), Money Order, Mastercard or Visa. Ohio Residents add Current Sales Tax.

Personal check orders over \$50 will be held for 3 weeks to insure that it has cleared the bank.

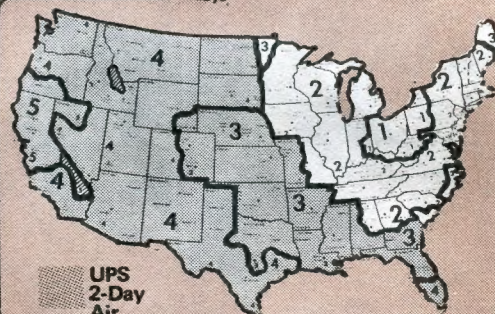


If you would like to give a bicycling gift but are not sure what would be most appreciated, use our Gift Certificate. Just call or write—tell us the recipient's name and address and how much you want to send (include your credit card number and expiration date). We will send a catalog and the Certificate to the recipient on your behalf. BN-GC

UPS delivery days

We try to ship in-stock items the same day and should arrive in the number of days indicated on the map. Please note that UPS does not deliver on Saturday or Sunday.

Hawaii (Oahu) and Alaska (Anchorage area) Blue Label Service by Ground/Air in 4 or 5 days



OUTSIDE THE CONTINENTAL U.S.A.....

No COD. Maximum size is 72" length & girth. That means no rims, wheels, MTD rollers, frames, bug-gers, Bike Porters or skis. Maximum weight is 35lb. All shipments go Parcel Post. No air Parcel Post. You are required to pay duty and tax on receipt. Notify Customs if you have a return in order to avoid double duty.

NOTICE: MAILING LISTS

Occasionally we make our customer list of names and addresses available to carefully screened companies and organizations whose products and activities might interest you. If you prefer NOT to receive such mailings, please send a copy of your mailing label and advise us to that effect.

NOTICE

IF YOU HAVEN'T PURCHASED FROM US OR PAID FOR A CATALOG SUBSCRIPTION IN THE PAST YEAR—THIS WILL BE YOUR LAST CATALOG

10% RESTOCKING FEE

will be applied to merchandise returned without Satisfactory Explanation and a Copy of the Original Order.

SATISFACTION GUARANTEED

Return any item to us within 10 days, unused, with proof of purchase and we will gladly refund your money. SPECIAL ORDER & CLOSE-OUT ITEMS ARE NOT INCLUDED.

ordering by phone



"No Wait" Ordering
(216) 542-3671

NO C.O.D. accepted

Toll Free
1-800-321-2474

The cost to us because of refused shipments has become too great.



We will assist you in ordering and ship your order Mastercard or Visa the same day or the next morning (may be longer during peak periods).

NO COLLECT CALLS, PLEASE

GUARANTEED LOWEST PRICES

If any IN-STOCK ITEM is sold for less in any CURRENT national catalog or publication, we will sell that item for 5¢ under their price. IDENTIFY ITEM & PUBLICATION AT THE TIME OF ORDERING. (Not included are Special Order & Mfg. Close-out Items).

Name _____ Address _____ City _____ State _____ Zip _____

Name _____ Address _____ City _____ State _____ Zip _____

Name _____ Address _____ City _____ State _____ Zip _____

If you would like us to mail a catalog to some of your friends, just list their names and addresses on these labels and include them with your order.

NEW ADDRESS OLD ADDRESS

Name _____ Address _____ City _____ State _____ Zip _____

Name _____ Address _____ City _____ State _____ Zip _____

Name _____ Address _____ City _____ State _____ Zip _____

CHANGE OF ADDRESS—Moving soon? To receive a current catalog at your new address—fill out the 2 labels above, 1 with the new address and 1 w/your old address. Include both labels w/your order.



arni



tim



karen



maria



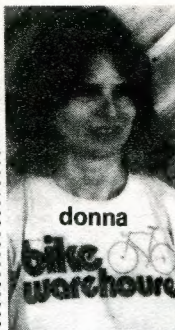
pat



jeanette



carole



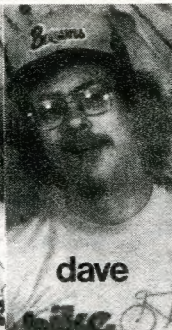
donna



jeff



terry



dave



judy



debi



jerry



tom



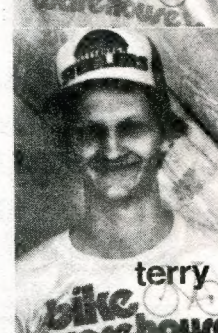
ken



lori



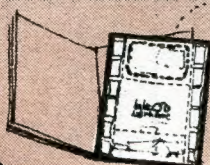
dan



terry

1. Have you specified color/sizes/threads?
2. Have you signed & enclosed check or money order?
3. Have shipping charges been included?
4. Is your name & address (including zip) clear and complete?
5. Are substitutes listed?

CATALOG 27—This Catalog will be out of date with Catalog 28 - Please send **BN-CAT 50¢** (to cover postage & handling) for the next catalog; or send **BN-4CAT \$1.50** for the next 4 catalogs.



NOTE: Fold up Check or M.O. while folding Self-Mailer so it is held securely.

NO STAPLES PLEASE

5. Fold Under & Seal

Place Stamp Here

27

bike
nashbar

215 Main St., P.O. Box 290,
New Middletown, Ohio 44442

RUSH-CATALOG ORDER

Tape Here Only

No Tape

4. Fold Under

No Tape



bill



laurie



cheryl



loretta



tresa

☐ MasterCard ☐ Visa ☐ Check ☐ M.O.

Card Number _____

MC Bank No. _____ Good Thru _____ / _____

Cardholder Signature _____

IMPORTANT: Customer No. (from address label) _____

Day Phone () _____ Eve. Phone () _____

Name _____

Address _____

City _____ State _____ Zip _____

1. In what magazine did you first see our adv.? _____

2. What other items should we handle? _____

3. Why do you buy from us? _____

4. What can we do to improve? _____

Please fill out -

PLEASE PRINT

DO NOT FILL IN SHADED AREAS

SELF-MAILER—
See Steps 1 thru 5 on Reverse

PLEASE SPECIFY SUBSTITUTES (Especially if your order is small)

Stock Number	Size/Color	Unit of Measure	Description	Sub 1	Sub 2	Quantity			Price Each	Total Price
						Ordered	Picked	Checked		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Please send me your next four Catalogs, BN-4CAT \$1.50 (Outside U.S.A. BN-FCAT \$3.00) as they are published

\$1.50

EXTRA CATALOGS FOR MY FRIENDS (one comes with order) →

BN-CAT

FREE

PAYMENT BY ☐ Personal Check (up to \$50 only) ☐ Money Order ☐ Visa ☐ Mastercard Fill out Above Form DATE / /

Merchandise Total

Sale Tax 5½% (Ohio only)

Shipping - See Below

Credit Slip (subtract)

TOTAL

ordering by phone



"No Wait" Ordering
(216)542-3671
Toll Free
1-800-321-2474

We will assist you in ordering and ship your order Mastercard or Visa the same day or the next morning (may be longer during peak periods).

NO COLLECT CALLS, PLEASE

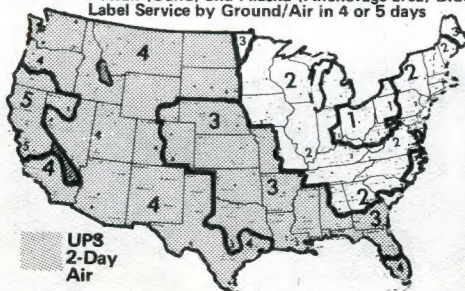
NO C.O.D. accepted

SEE OUR POLICY IN CATALOG 26

UPS delivery days

we try to ship in-stock items the same day & should arrive in the number of days indicated on the map. Note that UPS does not deliver on Saturday or Sunday.

Hawaii (Oahu) and Alaska (Anchorage area) Blue Label Service by Ground/Air in 4 or 5 days



UPS
2-Day
Air

SHIPPING—Charges Estimated

Amount of Order	Handling and UPS Shipping 1-5 Days	Alaska Canada Hawaii	UPS 2-Day Air (Western States) In-Stock Items Only
UP TO \$15.00	\$1.95	\$3.95	Actual Shipping Charges are C.O.D.
\$15.01 - \$50.00	\$2.95	\$5.95	Order & Fee (\$2.50) is Paid in Advance
\$50.01 - \$100.00	\$3.95	\$7.95+	
OVER \$100.00	\$4.95	\$9.95+	

For Overseas Shipments: Please check with your postal authorities for shipping rates, then send an overestimated amount. NO AIRMAIL OVERSEAS

bike warehouse Rollers

5 YEAR Manufacturer
Guarantee



**IN-STOCK FOR IMMEDIATE
SHIPMENT**

Manufactured by
MTD U.S.A.

Aluminum Side Rails,
gold anodized, made
of 4" channel.

Stores easily under bed or
on-end in a closet.

**MAHOGANY
Platform Steps,**

safety and easy mount
& dismount. Attaches
easily to side rails.
MT-P \$45.50 set

**Dual
Belt Drive,**
quieter with more
even pull. Extra Belts, **MT-EB \$6.50 ea.**

Nylon Drums with
Mahogany Ends and
Silver Side Rails
\$82.15 Reg. \$86.50
MT-2

ROLLER/STEPS SPECIAL
Mahogany Dished Drums
plus Mahogany Steps
\$189.90
MT-5

**OPTIONAL
Stewart-Warner Speed-
ometer w/Resettable
Odometer. MT-S \$19.50**

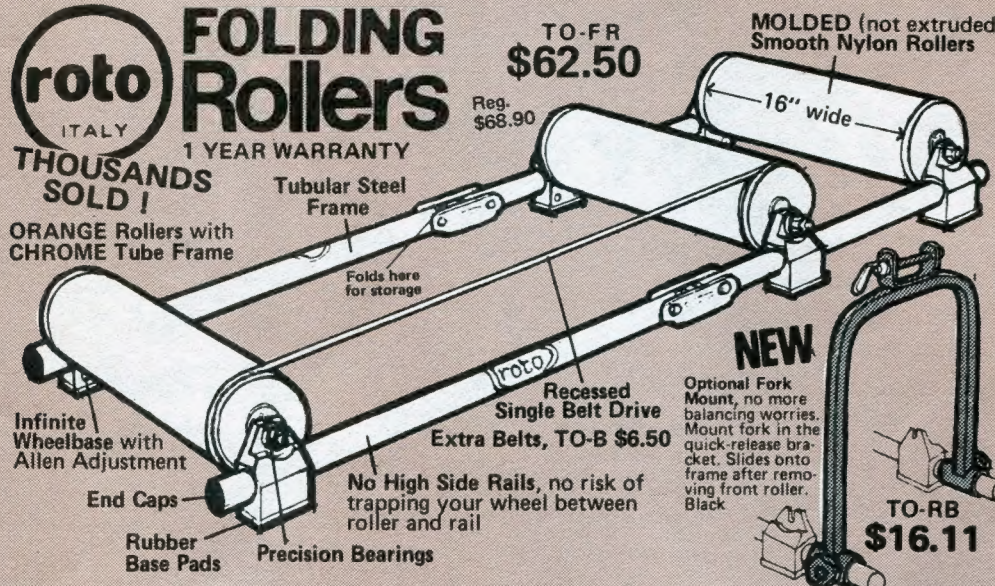
Adjustable
to 6 Wheelbases
from 38" to 43", track
or touring bikes.

roto ITALY FOLDING Rollers

1 YEAR WARRANTY

**THOUSANDS
SOLD!**

ORANGE Rollers with
CHROME Tube Frame



**TO-FR
\$62.50**

Reg. \$68.90

**MOLDED (not extruded)
Smooth Nylon Rollers**

NEW

Optional Fork
Mount, no more
balancing worries.
Mount fork in the
quick-release bra-
cket. Slides onto
frame after remov-
ing front roller. Black

**TO-RB
\$16.11**

**Recessed
Single Belt Drive**
Extra Belts, **TO-B \$6.50**

No High Side Rails, no risk of
trapping your wheel between
roller and rail

Precision Bearings

End Caps
Rubber
Base Pads

Infinite
Wheelbase with
Allen Adjustment

Tubular Steel
Frame

Folds here
for storage

LIMITED SUPPLY!

Made in U.S.A.

TurboTrainer Exercise Stand

- *Indoor Training
- *Warming up at
rides and races
- *Repair Stand

**SK-TT
\$149.90**



Skid-Lid

Variable load re-
sistance provided
by the TurboFan
& shifting the
gears.

All steel construction with inert
gas welds. Adjusts to 24-27"
wheel bicycles. Quick-assembly
telescoping design. Adjustments
made with only a crescent
wrench & included allen wrench.
Precision machining & sealed
bearings make the fan assembly
smooth operating. Powder paint
and chrome finish. Weight: 13 lb.

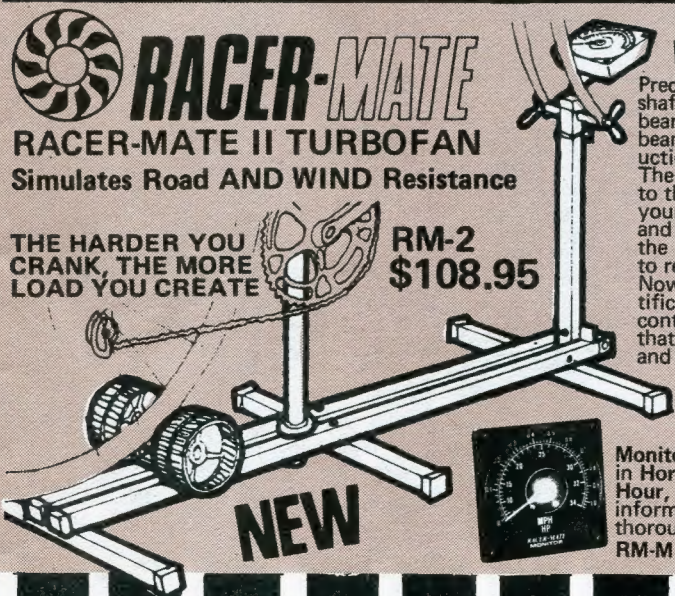
RACER-MATE

RACER-MATE II TURBOFAN

Simulates Road AND WIND Resistance

**THE HARDER YOU
CRANK, THE MORE
LOAD YOU CREATE**

**RM-2
\$108.95**



NEW



Monitor, gauges your progress
in Horsepower and Miles Per
Hour, two essential pieces of
information you need for a
thorough workout.
RM-M \$73.80

BEST VALUE !!

Precision ground stainless steel
shaft with double sealed ball
bearings. Features unique twin
beam, triple cross-bar construc-
tion for unmatched stability.
The turbofan mounts directly
to the training stand. Mounting
your bike by the fork is quick
and convenient with the use of
the Huret wing nuts. No need
to remove fenders or racks.
Now you can undergo a scien-
tifically designed, clinically
controlled training program
that provides optimum aerobic
and anaerobic conditioning.

Made in U.S.A.

NEW OMAS

WIND TRAINER EXERCISE STAND

Made in ITALY

- *Indoor Training
- *Warming up at
rides and races
- *Repair Stand

**IF-WT
\$119.95**

Converts your bike into a
sophisticated training machine.
All steel construction. Precision
sealed bearings make the wind-
load fan assembly smooth
running and maintenance free.
Quick assembly and adjusting
to any size wheel bicycles due
to the telescoping design. Quick-
release fork mount. Chainstay
clamp for added stability. Allen
bolt adjusting. Suitable for
10-spd. or BMX-type bicycles.

May not be
exactly as
shown

**LIMITED
SUPPLY!**

"No Wait" Ordering (216) 542-3671 • Toll Free 1-800-321-2474

"I acknowledge the great service I have recieved," J.L., Northglenn, CO.



Our Label appears on all our clothing

bike warehouse

Touring Jersey, Acrylic/Nylon blend with 10% Wool added to wick perspiration away from the body. 1 button 1 1/4" placket. Medium-sized white collar. Double-rib knit sleeves and collar. 3 double-layered rear pockets. Guaranteed 2 years against materials, workmanship and color fastness. Color: Navy body with World Champion stripes. Sizes: XS,S,M,L BW-TJ-X \$19.50 ea.

Sport Jersey, acrylic/Nylon blend with 10% Wool added to wick perspiration away from the body. Short sleeves. High, double-rib knit zippered collar. Rib cuffs. Stripes on cuffs and collar match chest stripes. 3 double-layered rear pockets. Guaranteed 2 years against materials, workmanship and color fastness. Sizes: XS,S,M,L Colors: Red body w/World Champion stripes; Yellow body w/Rainbow stripes; Silver Grey body w/Rainbow stripes BW-SJ-X \$19.50 ea.

SEASON CLOSEOUT—Lower Prices!

bike warehouse

We think we have the ideal material for biking shorts. Made from a combination of 60% Cotton for softness & perspiration absorption, 30% Dacron for strength & durability and 10% Spandex with a four-way stretch for movement comfort. Reinforced zig-zag stitching. Pocket is reinforced all the way to the waist (no more torn corners). Pull cord waist (no more too tight or too loose elastic). Cord pull area is reinforced with chamois. Reverse rear-shaped chamois is extra-high in the back and specially-treated to stay soft longer even after repeated washings.

Our Shorts are also available w/ a full-length 2 color Bike Warehouse Transfer on the leg. Looks Great!
BW-SHRB-X \$19.50 pr.



Biking Shorts, perfect for touring, racing or occasional riding. Color: Black Sizes: XS,S,M,L,XL BW-SHR-X \$19.50 (w/out transfer)



bike warehouse

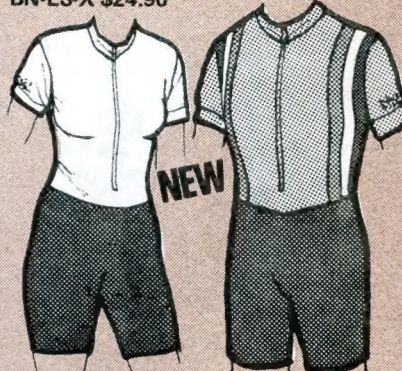
Tights, full length legs with a chamois insert so they can be worn with or without shorts. Elastic cuffs. Makes a great warm-up outfit when worn with a Bike Warehouse Jersey. BLACK. Sizes: S,M,L,XL BW-TGS-X \$27.50

bike warehouse NEW

AERO Skin Jersey, designed to fit the cyclist in the riding position. 4-way stretch nylon/Lycra. Short sleeve. High zippered collar. 2 rear pockets. Sizes: S, M, L Color: Red BN-LJ-X \$24.90



AERO Skin Shorts, 6-piece design. Form-fitting nylon/Lycra. Exclusive neoprene pad under the finest "Supersham" chamois. Elastic waist. 1 rear pocket. Sizes: S, M, L. Colors: Hi-sheen Black, Royal Blue, Red BN-LS-X \$24.90



AERO 1-piece Skin Suits, engineered for reduced wind resistance and maximum maneuverability. Short sleeve design. Super stretch nylon/Lycra. Neoprene/"Supersham" crotch. Full zipper. Sizes: S, M, L. Colors: Yellow with hi-sheen black 'shorts' or Royal Blue with Green/Red/ Yellow side stripes with hi-sheen black 'shorts'. BN-SS-X \$48.50

	Bike Warehouse/Patty Kits		Lycra/Polypropylene		
	Jerseys	Shorts/Tights	Jerseys	Shorts	Suits
XS	26-29	25-27			
S	30-33	28-30	34-38	24-28	24-28
M	34-37	31-33	38-42	28-32	28-32
L	38-42	34-36	42-	32-38	32-38
XL	43-47	37-39			

NOTE: Lycra has tremendous ability to stretch. Sizing can run smaller & larger than chart

Prologs

Cycling Shorts, made of ultra-soft, "no-itch" 100% Merino Wool for comfort and wear. Wool regulates your body temperature by absorbing moisture, avoiding that clammy feeling, even when wet, for year round comfort. Constructed to last—they're double-seamed to prevent splitting. Chamois crotch liner. Convenient small rear back pocket. SUPERWASH Merino Wool fabric does not retain a perspiration odor or a perspiration stain. SUPERWASH means that these shorts are the easiest to care for and still maintain their original shape—just toss them into the washer and dryer and they're good as new. Color: Black only. Sizes: XS,S,M,ML,L,XL

PR-WS-X \$34.95

PROLOGS SIZING CHART

XS/28 - 30	ML/34 - 36
S/30 - 32	L/36 - 38
M/32 - 34	XL/40 - 42

- 100% Merino Wool
- Does not itch
- Machine Washable
- Machine Dryable
- Never clammy

- Evaporates moisture
- All-weather comfort
- Moist-proofed
- Dual-stitch construction

Arm and Leg Warmers, 100% Merino Wool. Arm Sizes: 1 Size fits all. Leg Sizes: Normal (up to 5'8") Long (over 5'8")

PR-AW Arm Warmer, \$11.10 pr. PR-LW-X Leg Warmer, \$14.20 pr.

Tights, 100% Merino Wool. SUPERWASH. Double-stitched. No crotch liner. Zippered cuffs. BLACK. Sizes: XS,S,M,ML,L,XL PR-WT-X \$38.90

Protog Jersey (neck size)

S	14-14 1/2
M	15-15 1/2
L	16-16 1/2
XL	17-17 1/2

Protogs Long Sleeve Jersey, 100% Merino Wool. Sizes: S, M,L,XL. Red. PR-LJ-X \$34.95

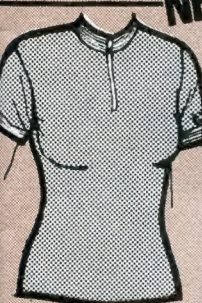
SERGAL

of MILANO, ITALY



Wool Jerseys, 100% virgin wool affords you maximum comfort in hot or cold weather. Short sleeves. Double-rib knit striped sleeves & zippered collar. Rear pockets. 2 Stripe Styles: Royal Blue body w/Red & White side stripes; or White body w/World Champion stripes. Sizes (in): 1(34), 2(36), 3(38), 4(40), 5(42), 6(44)
SG-WJ-X \$34.50

Cotton Shorts, long-wearing 100% cotton knit. Durability tested for wear and easy care. Keeps you cool in the hottest weather. One rear, buttoned pocket. Premium chamois liner. Color: Black. Sizes (in): 1(28), 2(30), 3(32), 4(34), 5(36), 6(38)
SG-S-X \$17.50



NEW bike nashbar
Polypropylene Jersey, 100% 8 oz. interlock polypropylene fabric. The best thermal insulator in maintaining body temp. Warmer in winter/Cooler in summer. Transports moisture & perspiration away from the body. Non-allergenic. Highly abrasion-resistant. Color-fast. Superior stain resistance. Fast drying. Zippered collar, 2 rear pockets. Rainbow stripes on collar and cuffs. Sizes: S, M, L, XL. Colors: Royal Blue or Wine Red (with Rainbow stripes)
BN-PPJ-X \$21.80

Camagnolo Lycra Jersey, 50% nylon/10% Lycra. Bandex fits like a second skin. Highly elastic-moves with every motion of the rider. Zippered. Hemmed sleeves. Rear pockets. Campy logo silk-screened on front & back. Color: Yellow w/Black. Sizes: S, M, L
BN-PJ-X \$29.95



Colnago Wool Jersey, short sleeves. Ribbed cuffs and high, zippered rib collar. Buttoned rear pockets. Sizes: 1(34) 2(36) 3(38) 4(40) 5(42) 6(44). Assorted Colors
CO-JER-X \$34.00

RAVENS

Complete Bicycle Clothing Kits for the DO-IT-YOURSELF Home Sewer.

Biking Jersey, 100% cotton Perma-set knit. Short sleeve raglan style with zipper neck and double thick rear pockets. Multi-stripe front. Sizes: S, M, L, XL. Colors: Red & White on Navy; or Red & White on Gold
PK-J-X \$12.50 each kit

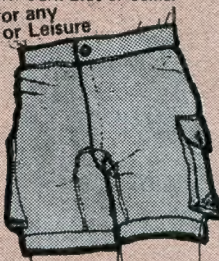


Biking Tank Top, great for hot weather biking and summer wear. 100% Cotton Perma-set knit. Multi-stripe front with double thick rear pockets. Colors: Navy with Red and White; or Orange with Yellow and White. Sizes: S, M, L, XL
PK-TT-X \$8.95

Biking Shorts, featuring first-quality, soft polyester no-run wonder knit. No-roll, wide elastic and super soft, super absorbent anti-bacterial fleece liner (recommended by Dr. Eugene Gaston, Bicycling Magazine). Rear pocket. Color: Black. Sizes: XS, S, M, L, XL
PK-S-X \$9.95 each kit



Cycling Shorts, designed to combine styling with comfort and function. Shorts are made of a 50/50 blend of Cotton and Polyester. Saddle-cut, sewn-in fleece liner. Elastic back, single-snap waist, zippered fly and side cargo pockets with snap closures (men's pockets are gusseted, women's are flat). Full-cut legs with side vents for maximum freedom of movement. Colors: Dark Blue or Camel
Great for any Active or Leisure Wear



Sizes: Mens 28, 30, 32, 34, 36, 38, 40
 Womens 6, 8, 10, 12, 14, 16

CD-MCS-X Mens, \$26.90
CD-FCS-X Womens, \$26.90

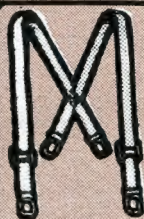


Cycling Gloves, handmade in Pennsylvania. Hand-crocheted 100% cotton back. Top-quality glove leather with fewer seams & carefully designed padding (thumb area, too) offers greater protection and comfort. Velcro wrist closure. Measure around palm for size. Sizes: P, S, M, L, X, J
CD-CG-X \$25.40

SIZING CHART	JERSEYS		GLOVES
	Size	Size	
P	34-36	6-8	6-6 1/2
S	38-40	10-12	7 1/2-8
M	42-44	14-16	8-9
L	46-48		9-10
J			10-10 1/2



Cycling Jersey, 100% cotton knit. Zippered front with a rib-knit collar. Extra-long cut, hemmed sleeves and an embroidered Cannondale logo. Zipper & collar are in a contrasting color to the body. Colors: Yellow or Blue. Sizes: Mens S, M, L, X. Womens S, M, L
CD-CJ-X \$16.95



Suspenders, for that European Continental look. They hold up your shorts or tights in the extreme bent-over position as in sprinting. Black
AW-BS \$3.90



Acrylic Pile Liner, soft, absorbent, anti-bacterial liner for shorts is pre-cut, pre-shaped.
PK-PL \$3.25



Chamois Pad Replacement, pre-cut and shaped chamois pad to replace the worn out pad in your favorite shorts or tights. Cut extra-in in the back for maximum coverage. One size only.
BN-RC \$8.95



Deluxe Striped Headbands, keeps your hair in place and perspiration out of your eyes. Super-absorbent terry material. Assorted Colors. FA-SB 75¢ ea. 3 for \$2.15

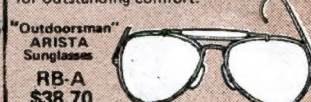


VELCRO TROUSERS BANDS, rainbow-colored. Velcro closure holds secure. U.S.A.
WI-V 80¢ each 10/\$8.90

NEW BAUSCH & LOMB MIRAGE



Mirage Sunglasses, CR-39 optically correct plastic lens. Distortion free vision. Glare is blocked....Ultraviolet radiation is checked....Eye strain & fatigue are eliminated. Prescription quality frames with adjustable nose pads & temples for outstanding comfort.

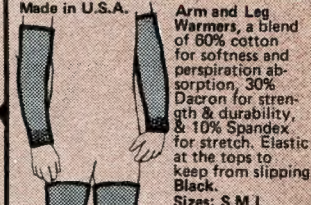


"Outdoorsman" ARISTA Sunglasses, RB-A \$38.70. Gold frames with Ambermatic lenses which change color and density in response to light & weather conditions. In overcast, they're amber to cut through haze; in warm sunlight, they turn dark brown to block glare; & in cold sunlight they turn dark grey for superior protection. Wrap-around ear rests hold firm-perfect for active people.



Bike Nashbar Cap, 50/50 Polyester-Cotton. White with Orange graphics. Rainbow Stripes. **LIFETIME REPLACEMENT GUARANTEE**-whenever your Bike Nashbar Cap wears out, return it to us and we'll replace it FREE.
BN-CAP \$2.25

NEW bike nashbar



Arm and Leg Warmers, a blend of 60% cotton for softness and perspiration absorption, 30% Dacron for strength & durability, & 10% Spandex for stretch. Elastic at the tops to keep from slipping. Black. Sizes: S, M, L
SUPER VALUE!
BN-LW-X Leg Warmers, \$9.99 pr.
BN-AW-X Arm Warmers, \$7.99 pr.

we try to ship same day

"Your '800' phone service and your speed in processing & shipping orders have improved 1000%!" H.H., Charlotte, N.C.

bike warehouse

LARGER One Size Fits All

Wide 1" Elastic Collar with 7 Hood Snaps

Wrap-around Front with Velcro Closures to protect neck

Open on the sides for arm use and ventilation

Double-Snap Closures for Riding

Double-stitch French Seams

Elastic Thumb Loops hold the poncho forward over handlebars keeping hands dry

Poncho comes with matching Urethane-coated Stuff Sack - Fits in any bottle cage

Order Booties by Mens/Womens Shoe Sizes

CAN BE CUT FOR CLEATS

poncho

Complete with Stuff Sack

BW-P 1/\$17.75, 3/\$46.50

Bright Yellow Urethane-coated Nylon

7-Snap Detachable Hood with Drawstring

Long 9" C&C Zipper makes putting on and taking off easier and provides extra ventilation

Bikeware Label

Weight: 8 oz.

Longer Leg Loops can also be worn around the waist. These keep the poncho from flapping or riding up your back

Yellow Urethane-coated Nylon. These chaps are cool because there is no material above the thighs. Elastic Belt or Leg Loops enable chaps to be used even if you have no belt loops. Cuff Snaps. One Size Fits All. Matches the Bikeware Poncho.

BW-CH 1/\$6.75, 3/\$16.70

Booties, keep your feet dry on wet days-warm on chilly days. Yellow Urethane-coated nylon. Elasticized ankle. Full-length rear C&C zipper w/rain flap. Reinforced stitching throughout. Nylon reinforced vinyl sole.

BW-BO-X \$8.95



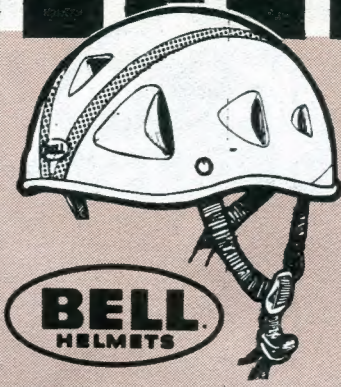
rain chaps

Yellow Urethane-coated Nylon. These chaps are cool because there is no material above the thighs. Elastic Belt or Leg Loops enable chaps to be used even if you have no belt loops. Cuff Snaps. One Size Fits All. Matches the Bikeware Poncho.

BW-CH 1/\$6.75, 3/\$16.70

Booties, keep your feet dry on wet days-warm on chilly days. Yellow Urethane-coated nylon. Elasticized ankle. Full-length rear C&C zipper w/rain flap. Reinforced stitching throughout. Nylon reinforced vinyl sole.

BW-BO-X \$8.95



BELL HELMETS

'BIKER' HELMET, designed by Bell Helmets, a leading manufacturer of protective head gear for motorsports. The 'Biker' meets four critically important design parameters: Optimum ventilation and heat dissipation; Minimal weight; Unobstructed visibility; and Exceptional rider protection.

Lexan outer shell, light enough for the competition rider, yet strong enough in greater thicknesses to be used by police for protection against bullets. Polystyrene beaded liner.

Unique scoops front and rear duct cooling fresh air to your head and then allow it to escape. This, coupled with moisture evaporation (accumulated naturally or added to the sized pads) provides a very effective means of cooling.

Developed in cooperation with 3M, highly reflective red stripes in a 'V' configuration compliment the white helmet.

The Sizing/Comfort Kit with pads provided in varying thicknesses lets you custom fit your helmet. For ease of replacement, the pads are attached to the polystyrene liner with Velcro fasteners.

Each helmet is Serial-Numbered. BH-B-X 2 Sizes: S (6 7/8 - 7 1/8) L (7 1/4 - 7 3/4) \$31.50

After prolonged use and cleaning, you may wish a fresh Sizing/Comfort Pad Kit. Specify for S or L size helmet. BH-P-X Pad Kit, \$5.00



'TOURLITE' Helmet, high-impact outer shell and expanded polystyrene inner liner. Aerodynamically-designed air inlets channel a flow of cooling air. Tinted visor adjusts to 5 positions. 3M Scotchlite reflective striping for looks and night visibility. Simple, quick-release buckle. Soft, chamomile-like brow pad absorbs perspiration. Foam mesh panel keeps hair out of air vents. Comes with Sizing Pad Kit for tailor fit.

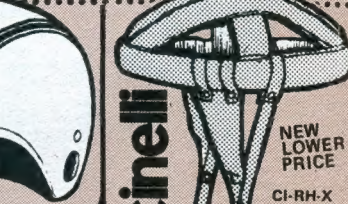
2 Sizes: A (6 7/8 - 7 1/8) B (7 1/4 - 7 3/4) BH-TL-X \$39.90

2 Colors: White or Black

Replacement Pad Kit, Specify for A or B size helmet, BH-TLP-X \$5.00



"Mini-Mitts" Childs Helmet, ABS outer shell. Velour chin strap for comfort. Passes the same testing as the adult Bell helmets. 3M reflective striping. Adjusts to fit ages 3 - 5 years. Sizing kit is included. BH-MM \$28.50



Racing Helmet, lightweight, extra thick padding protects the head in a fall. Special temple protector. Black. CI-RH-X \$16.20



Deluxe Helmet Cover, Urethane-coated nylon. Totally waterproof. Elastic stretch opening. Has the Bike Warehouse label. Bright Yellow. Matches the Bike Warehouse Poncho and chaps. BW-DHC 1/\$3.95, 10/\$36.20

SIZING CHART		
Size	cm	inches
55	55	21 5/8
56	56	22
57	57	22 3/8
58	58	22 7/8
59	59	23 1/8
60	60	23 1/2
61	61	23 7/8
62	62	24 1/4

bike warehouse T-shirts

Hi-crew neck, full cut, 50/50 Polyester/Cotton. ADULT shirts have large dark blue transfer on the front and a large Bike Warehouse transfer on the back.

*These are Multi-color Transfers



- BW-K-SDA-X Dura-Ace, \$6.04
- BW-K-SSH-X Shimano, \$6.04
- BW-K-SSU-X Sugino, \$6.04
- BW-K-SCN-X Colnago, \$6.18
- BW-K-SR5-X Reynolds 531, \$6.18
- BW-K-SR7-X Reynolds 753, \$6.00
- BW-K-SSP-X Superbe, \$6.04
- BW-K-SCU-X Columbus, \$6.00
- *BW-K-SCY-X Cyclists, \$6.36
- *BW-K-SBI-X Bicyclists, \$6.22
- *BW-K-STC-X Tall Cyclists, \$6.18
- *BW-K-SPP-X Pink Panther, \$6.19
- *BW-K-SBY-X Bicycling, \$6.19
- *BW-K-SWW-X Woodpecker, \$6.49
- *BW-K-SBW-X Bike Warehouse, \$5.06

NOTE: T-shirts are made per order about once a week and may hold up your order up to one week.

NEW Lifetime Replacement Bike Nashbar Cap, 50/50 Poly/Cotton. White with Orange. Multi-color stripes. BN-CAP \$2.25



Clement Cap, 100% Cotton. White w/Black letters. Black & Yellow stripes. CL-CAP \$2.95



Columbus Cap, 100% Cotton. White with Blue/Red logo & World Champion stripes. RO-CAP \$2.95



Campagnolo Cap, 100% Cotton. Yellow. CA-CAP \$2.95



Benotto Cap, 100% Cotton. Yellow w/Blue lettering and stripes. BE-CAP \$2.95



Colnago Cap, 50/50 Poly/Cot Blue/White/Yellow. CO-CAP \$2.95



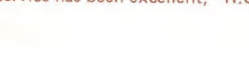
Cinelli Cap, 100% cotton. White w/multi-color logo & world Champion stripes. CI-CAP \$2.95



Shimano Aero Cap, 50/50 cotton/polyester. White w/Blue lettering. Multi-blue stripe. SH-CAP \$2.95



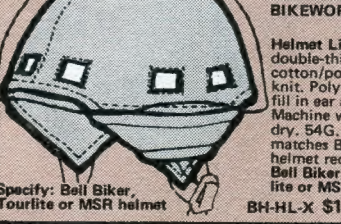
Brooklyn Cap, 100% cotton. Navy w/white letters. Red/white stripe. BW-BRC \$2.95



TI Reynolds Cap, 50/50 cotton/polyester. Yellow w/Black lettering. Multi-blue stripe. TI-CAP \$2.95



NEW Polar Cap from BAILEY BIKEWORKS



Specify: Bell Biker, Tourlite or MSR helmet BH-HL-X \$15.25

NEW CYCLOPS



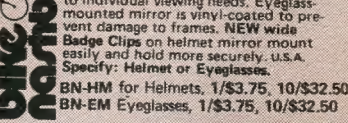
Wrist Mounted BN-CY \$2.95

EYEGLASSES 8 Grams WITH PLEXIGLAS MIRRORS FOR SAFETY & WEIGHT HELMET or CAP 12 Grams



NOTE: VIEWING SIDE of Mirror comes with a PEEL-OFF Protective Cover.

REAR VIEW MIRROR, for helmets, cap or eyeglasses. Large, good quality mirror offers a wide viewing area. Easily adjusts to individual viewing needs. Eyeglass-mounted mirror is vinyl-coated to prevent damage to frames. NEW wide Badge Clips on helmet mirror mount easily and hold more securely. U.S.A. Specify: Helmet or Eyeglasses. BN-HM for Helmets, 1/\$3.75, 10/\$32.50 BN-EM Eyeglasses, 1/\$3.75, 10/\$32.50





CHEETAH

RAINSUIT

WATERPROOF 100% Nylon Taffeta

Jacket, beautifully styled with full open front zipper and zippered neck. Two zippered pockets, hood with drawstring but detachable with a Velcro strip. Contrast visible stripe running from collar along the outer seam of the sleeves. Zipper is same color as stripe. Back is vented with nylon mesh for cool comfort. Reflective stripe across the back for nighttime safety. Extra large cut.

Pants, straight tapered leg, extra large cut, high elastic waist. Can be worn over other clothing. Stripe, matching the jacket's, runs on the out-seams of the legs. Rear zippered cuffs.

Sizes: S, M, L, XL
Colors: Yellow with Navy stripe;
Navy with Grey stripe;
Grey with Maroon stripe

TT-RS-X \$38.90 \$49.00 Value

	S	M	L	XL
Top	34-36	38-40	42-44	46-48
Waist	28	30-32	34-36	38-40



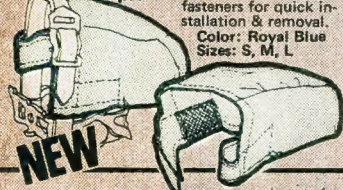
bike warehouse

Boots, Yellow Urethane-coated nylon. Elastic ankle. Rear zipper. Reinforced stitching. Nylon reinforced vinyl sole. Can be cut for cleats.

BW-BO-X \$8.95 pr.

SPECIALIZED

SB-TW-X \$7.25 pr.



NEW Super Stretch Sports Lace

With Lok-Tie
Designed for athletic footwear. Insert laces in shoes. A unique patented Slide Lock is attached. To tighten laces, simply pull ends of laces apart & the device automatically locks. To loosen, a slide in the device is pulled. Elasticized laces. 1 Length. Black or White

BN-SL-X \$1.39 pr.

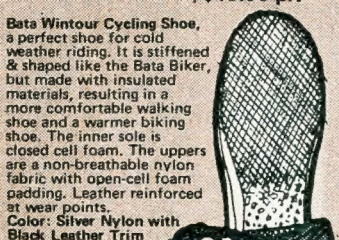


Bata
NOW IMPROVED

Shoe runs large. If you need 1/2 size, go full size smaller.

Bata Biker, a cycling "sneaker" which doubles as a comfortable walking shoe. The rubber slip-resistant sole and universal sole pattern lets you put your foot anywhere on the pedal. The pedal-proof construction means you won't feel pedal pressure after a day of touring. Uppers are breathable canvas. Toes and sides are rubberized and reinforced to prevent discomfort and wear from toe straps. New reinforced counter for added heel support. Long padded tongue with fold-over Bata label. Reinforced stitched side panel for additional foot containment. Reinforced and bound eystays. Abrasion-resistant cushion insole. Heel patch and Bata flash logo on the outside quarter. **BLACK w/Yellow Patch & Logo.** Sizes: Mens 3-13; Ladies 5-13 (No half sizes)

BA-BKM-X Mens, \$15.90 pr.
BA-BKW-X Womens, \$15.90 pr.*



Bata Wintour Cycling Shoe, a perfect shoe for cold weather riding. It is stiffened & shaped like the Bata Biker, but made with insulated materials, resulting in a more comfortable walking shoe and a warmer biking shoe. The inner sole is closed cell foam. The uppers are a non-breathable nylon fabric with open-cell foam padding. Leather reinforced at wear points. Color: Silver Nylon with Black Leather Trim

Sizes: Mens 3-13; Ladies 5-13 NO HALF SIZES

BA-WTM-X Mens, \$30.50
BA-WTW-X Ladies, \$30.50*

*PLEASE NOTE: The Bata Womens Shoes are actually mens shoes in smaller sizes, thus, they are wider than normal womens shoes.

detto pietro



Art. 2000 Superlight Cycling Shoe. Unique hardwood sole makes this the lightest and stiffest shoe available. Ventilated, glove-soft leather upper. Pre-mounted adjustable nylon cleat. Sizes: 37-47
DP-2000-X \$49.95 pr.

NOTE: Art. 74 and 2000 Shoes run narrow. If close-order next 1/2 size larger (US)



Detto Pietro "Article 74 Special" Cycling Shoe, a high quality comfortable leather shoe ideal for racing or touring. Comes with a durable, nylon sole. Sole has ventilation holes in heel & toe. Ventilated uppers. Pre-mounted adjustable nylon cleat is an improvement over the old aluminum cleat. Better comfort fit through wider American lasts. Sizes: US/5.5-12; Detto/37-47 DP-74-X \$32.50 pr.

Replacement Cleats, with screws. DP-RC \$3.75 pr.

DETTO PIETRO TOURING SHOE, designed for cycling efficiency as well as walking comfort. Nylon uppers with top-quality suede leather reinforcements. An Internal Nylon Shank distributes weight over the largest possible area. A grooved sole design grips the pedal plates better to hold the foot in position. Colors: Blue Nylon w/Light Blue Suede. Sizes: 38-48

DP-TS-X \$25.50 pr.



NEW Cannondale



CD-MS-X Mens
CD-WS-X Womens
\$35.50 pr.
\$49.95 Value

Biking Shoes, nylon fabric uppers with suede leather reinforcements at all wear points. Sole stiffer. Reflective heel patch. Color: Navy
Mens 5-13
Womens 4-10

new balance B



New Balance 555 Running Shoe, designed specifically for the runner who is tough on shoes or who likes to run off-road. The shoe is combination-lasted. Conventional-lasting in the rearfoot provides the necessary stability, while Slip-lasting in the forefoot provides the flexibility & freedom needed by runners in rough terrain. Color: Midnight Blue/Tan

ITEM	MATERIAL	BENEFIT
Uppr	200 x 400 Nylon Mesh	High ball burst mending
Tip	Swingbar Toe Cap	Controls forefoot torque prevents break-through
Saddle	Flexcushion Saddle	Supports longitudinal arch allows individual flexion and shock adjustment; protects against blow-out
Counter	Double Extended 90 wt. Styrofoam	Medial and lateral stability and rearfoot control
Insole	Luxurite Pillow	Base molds to individual's foot; memory foam retains original shape and feel
Midssole/Wedge	EVA	Firm, buoyant feel with virtually no compression with excellent cushioning
Outsole	Carbon Rubber Houndtooth	Maximum traction on all terrain and in all weather conditions; extremely durable and stable

Specify Width: B (narrow) D (medium) Sizes: 6-13 (in half sizes) SPECIAL ORDER -14, 15, 16 NB-555-X \$48.95 pr. \$52.95 Value



New Balance Rainier Hiking Boot, a world-class hiking boot designed with assistance from mountaineer Lou Latta. It incorporates the lightness and support of the New Balance running shoes & offers a firm foundation for those who often walk on shaky ground. A lightweight 50 denier cordura upper coated with polyurethane resists water and abrasion. A Vibram carbon rubber flat-head pyramid outsole resists dirt and mud and offers unsurpassed durability & stability. An EVA midsole/wedge provides shock weakening and lateral motion support. Plus, there's a PE running shoe insert. Sizes: (D width) 6-13 (in half sizes) NB-R-X \$70.80 pr. \$75.00 Value



New Balance Lite Hike Trail Mocassin, designed for the hiker who prefers the trails of Appalachia to the peaks of Annapurna. Features a patented saddle design for superior support and fit. Molded heel counter and EVA wedge for improved cushioning and stability. Exclusive Vibram lug outsole made of Morflex for the same lightness, traction and durability found in popular New Balance running shoes. And a double-density PE insert makes it feel like a running shoe. Color: Brown leather

Sizes: (D width) 6-13 (in half sizes) NB-LH-X \$57.90 pr. \$62.95 Value

Wigwam

Dry Foot, 100% Olefin tube under-sock removes perspiration, passing it into outer sock. Very useful in biking. Wear alone on hot days. White. One Size fits 9-14

WW-DF \$2.20 pr.

Summit, 70% Worsted wool, 30% Nylon, lightweight foot hugger with 1x1 rib & high-splice, 11" length. Sizes: S(7-9), M(9-11), L(11-13), XL(13-15) White. WW-SU-X \$2.60 pr.

Jogger, 85% hi-bulk Orion Acrylic, 15% Nylon. Heavy cushion-sole sock with short rib cuff. White w/Assorted Color Stripes. Size: M(8-11), L(10-13) WW-JO-X \$2.40 pr.

SHOE SIZING/CONVERSION	European	37	38	39	40	41	42	43	44	45	46	47
	US Mens		5-6	6-7	7-7½	8-8½	8½-9	9½	10-10½	11	11-11½	12
	US Womens	5½-6	6-7	7-8	8½-9	9½	10	10½				

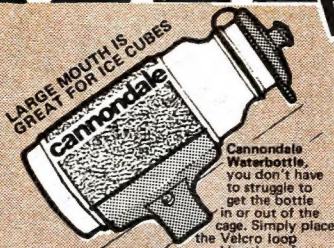


Waterbottle, a top quality bottle of lightweight plastic. Bike Warehouse logo on the sides. Finger-grip indentations, the spout is stationary so it can be pulled open or pushed closed with the teeth. The leak-proof design is built into the removable top. Colors: Red, Blue, Black, Translucent

RG-WB-X
\$9.94 each

THIS BOTTLE
WILL NOT
LEAK!

U.S.A.



U.S.A.

LARGE MOUTH IS
GREAT FOR ICE CUBES

Cannondale
Waterbottle,
you don't have
to struggle to
get the bottle
in or out of the
cage. Simply place
the Velcro loop
covered bottle against
the Velcro hook covered
base. Vibration improves the
grip. So easy to use, just pick it up, you can
concentrate on your riding. Large capacity bottle,
24 oz., with a large mouth. Cap has a drinking
spout designed to open or close with your teeth.
The base is tough, waterproof injection-molded
Dupont Zytel 105. Single screw installation.
Wrench included. Weight: 3 oz.

CD-WB \$8.89

NEW
NO-LEAK
TOP

RHODE GEAR

The NO-CAGE
WATERBOTTLE

slips into a non-marring
nylon mount which pro-
tects the bike's finish. The
bottle features molded-in
finger indents for a posi-
tive grip. Total Weight:
100G. 1 minute installa-
tion. Fits all bikes. Colors:
Red, Blue, Black, White
RH-NCB-X \$5.60

Braze-on Mount, same as above,
RH-NCBB-X \$5.90

blackburn



Expedition Cage, strong 5/16" aluminum alloy. Great on the mountain bikes. Braze-on. Specify: Silver or Black. JB-EC-X \$6.98



Waterbottle Cage, aluminum alloy. Heliarc welded, 4-point cradle design holds bottle more secure yet is easier to remove. 45G Braze-on

Specify: Silver or Black
JB-WC-X \$5.98

JB-WCC Cage Clamps, for use without
braze-ons. Allen bolts, nuts & wrench,
\$1.75 pr.

DURA-ACE

BRAZE-ON
MOUNT



AX Aero Waterbottle & Cage, 132G. Polyethylene bottle. Plastic skirt. Aluminum cage. Aerodynamic design. Air resistance reduced 3.77%. Pearl Blue color. SH-SMBT10 \$10.39

REG Italy

Alloy Waterbottle Cage, made of Dural aluminum alloy. Plastic retainer. Includes alloy mounting clips and chrome nuts & bolts for either clip-on or braze-on use. Colors: Silver or Black RG-AC-X \$3.10



MINOURA

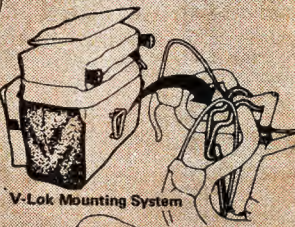
Waterbottle Cages, light aluminum alloy frame with strong black nylon base and bottle stopper. 70G. Colors: Silver or Black MN-WBC-X \$4.75

Includes Clips & Bolts or can be Braze-on

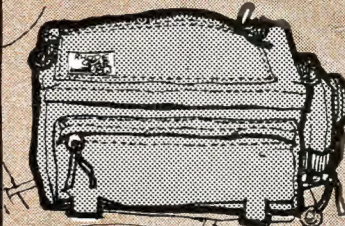
NEW



Handlebar Pack, durable Rhodura nylon fabric. Alloy and hardwood internal support structure. Pleated side pockets with Velcro closures. Two zippered external pockets. The V-Lok Mounting System offers superior stability with quick-release convenience without dangling shock cords or protruding metal horns. Includes 3 snap zippered map pocket, shoulder strap and reflector. Weight: 18 oz. Capacity: 710 cu.in. Colors: Wine Red or Silver Grey RH-HP-X \$36.12



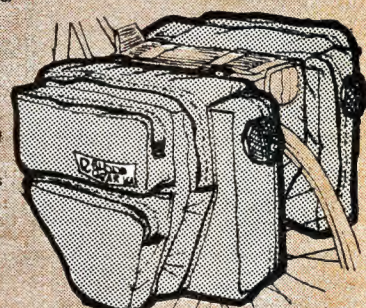
V-Lok Mounting System



Rack Trunk, an insulated rack pack for use both on and off the bike. Durable coated Rhodura nylon with a thick closed cell foam insulation. Keeps 8 cans of your favorite beverage cool or protects delicate cargo. Four zippered external compartments. The 'Lock-Slot' compartment will carry any 'U' style bicycle lock. Includes adjustable shoulder strap, nylon web handle & reflector. Weight: 15.5 oz. Capacity: 625 cu.in. Colors: Wine Red, Silver RH-RT-X \$36.12



Saddle Pack, a sleek wedge-shaped pack designed for efficient positioning under the saddle while providing ample leg clearance. Urethane coated Rhodura nylon. Wide YKK zipper, 3-point fastening for no-sway stability. No seat clips required. Poly liner for shape. Includes reflector. Capacity: 135 cu.in. Weight: 3 oz. Colors: Wine Red or Silver Grey RH-SP-X \$9.31



Rear Panniers, durable urethane-coated Rhodura nylon. Simple mounting system adjusts fore and aft yet assures proper tension to prevent pack from sliding. Folding alloy and hardwood internal structure. Can be used on rear or front racks. 8 zippered compartments allow flexible distribution of weight. Easy access to main compartment with cargo mounted on top of rear carrier. Storm flaps protect the YKK zippers. Packs snap together off the bike for luggage use. Includes nylon web handles, detachable shoulder strap, front and rear reflectors. Weight: 62 oz. Capacity: 2500 cu.in. Colors: Wine Red or Silver Grey RH-P-X \$67.15

SPECIALIZED



Sealed Headsets, unique Channel-Seal. Precision ground Steel Races. Combines the advantages of labyrinth and contact seals. 2 Models, Duraluminum or Steel. Specify: Eng., Fr., Italian

SB-SH-X Duraluminum \$32.50

SB-H-X Steel, \$19.90

SB-CH-X Steel, not sealed, \$9.90

NEW



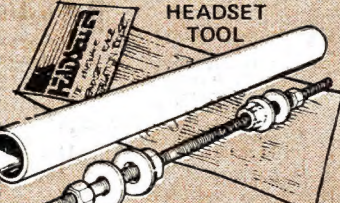
Cycle pro

Maxima Headset, made by OMAS. Alloy, satin silver finish. English. Same bearing size as OMAS. 99G. Excellent value. CP-HS \$18.50



NEW SEALED HEADSET
DUE OUT SPRING '83

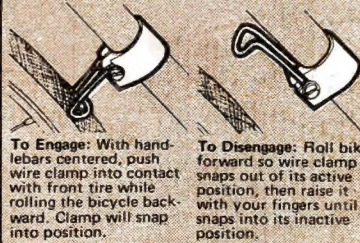
HEADSETTER



Headset Race Installation Toolset, Simplifies headset race installation. The toolset comes with a heavy cylinder press for evenly setting the crown race into place, and a special "fitted Screw" compression device that draws both the upper and lower head tube races together with even pressure. The toolset works on frames up to 25" and comes polybagged w/ easy, illustrated instructions and other useful headset information. BW-HST \$8.95

Flickstand

Keeps it leaning. Prevents damaging falls.



To Engage: With handlebars centered, push wire clamp into contact with front tire while rolling the bicycle backward. Clamp will snap into position.

To Disengage: Roll bike forward so wire clamp snaps out of its active position, then raise it with your fingers until it snaps into its inactive position.

Simple in itself, once engaged it turns a bicycle into a rigid panel so it can be leaned against any stationary object. No more turning front tire to make the bike unstable and possibly fall causing dents & scratches. The plastic mount is moulded in super-tough Dupont ZytelST, a non-abrasive, non-corrosive material. The hardware is stainless steel and nickel-plated brass. Weight: 26G.

- Fingertip operation
- Easy screwdriver installation
- Supports heavily loaded bicycles
- Use with or w/out kickstand

RH-FS \$3.89 ea.



OMAS Headset, made of super light, anodized aluminum. Ball races are forged and precision ground. OMAS uses small 1/8" bearings and more of them to spread the contact load over a greater area. Excellent value. Weight: 98G. (60G. lighter than Super Record). Specify: English or Italian.

OS-HS-X \$32.95



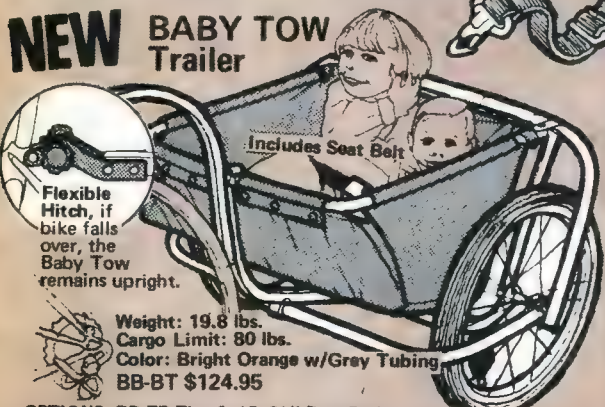
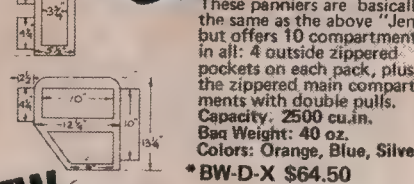
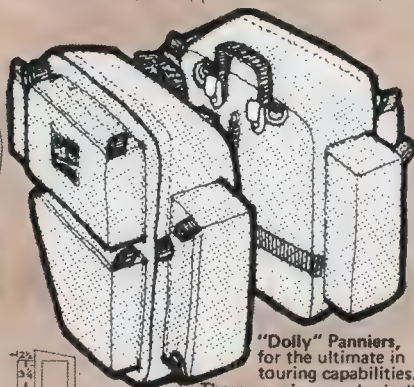
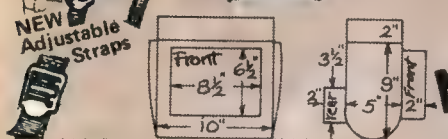
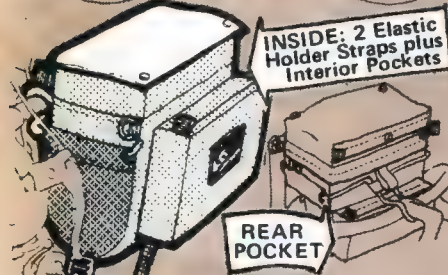
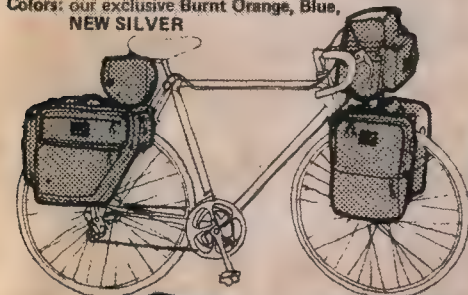
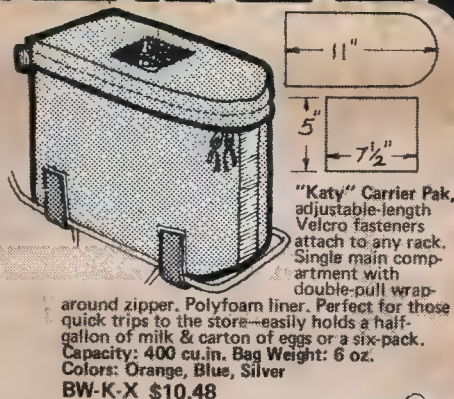
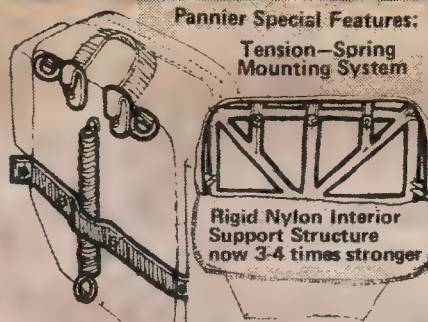
TN-CFT-X \$33.90

Chrome Fork, TOURING, forged Cinelli-like crown, Champion-butted CR-MO blades & forged dropouts with eyelets. Medium rake. English. Specify Frame Size: 19 - 22" or 23 - 25"

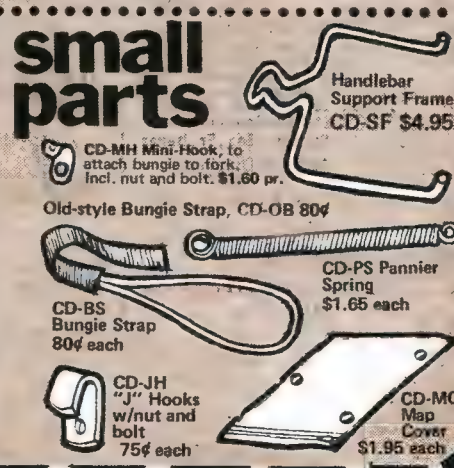
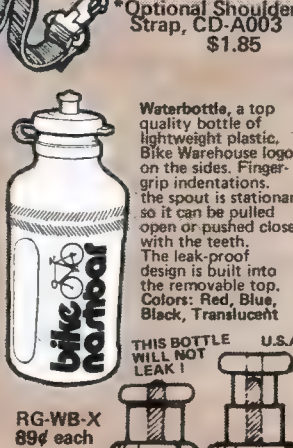
**bike
warehouse**

Colors: our exclusive Burnt Orange, Blue,
NEW SILVER

BIKE WAREHOUSE BAGS are made of durable waterproof Oxford Pack Nylon. Double C&C zippers are used throughout with nylon zipper pulls and generous rain flaps. All bags have nylon corner tabs and a black foam reinforcement inside. The Bike Warehouse label appears on all bags. Made in U.S.A.



OPTIONS: BB-ZB Zinc 9x15x21" Rear Basket with Safety Triangle, \$26.95 per set
BB-SS Shoulder Straps, \$4.15



CD-A003
Optional
Shoulder
Strap, \$1.85

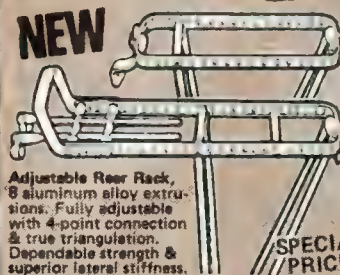
Lifetime Guarantee
Against Defects in
Materials and
Workmanship.

Cannondale
Our high quality
products are made
in the U.S.A.

Blue Ridge, ideal for
bicycle touring & warm
weather camping. 25°
Rating. Very lightweight:
3lb. 8oz. Compacts into a
8 1/2 x 12 1/2" sack. Fill
Weight: 2lb. Loft: 4".
Length: 83".
Specify Right or Left
CD-S804-X \$89.50 ea.

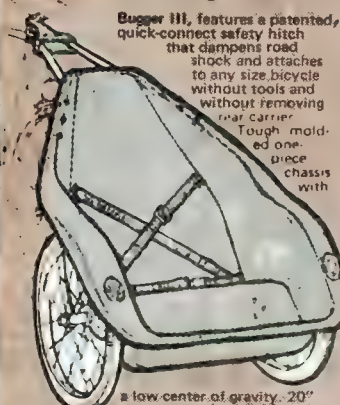
Chesapeake, our most
popular. Excellent 3-season
bag can be adapted to
extreme cold weather use
by the addition of a good
ground pad & wearing warm
clothing. 5° Rating. Weight:
4lb. 14oz. Loft: 6". Fill
Weight: 3lb. 4oz. Length:
83". Includes 10 1/2 x 16 1/2"
stuffsack. Can zip together.
Specify Right or Left
CD-S806-X \$118.90 ea.

NEW



Adjustable Rear Rack,
8 aluminum alloy extru-
sions. Fully adjustable
with 4-point connection
& true triangulation.
Dependable strength &
superior lateral stiffness.
CD-BR81S Rear Silver, Reg. \$27.50, \$19.90
CD-BR81K Rear Black, Reg. \$27.50, \$19.90

Front Rack, alloy, matches rear
CD-BR80S Front Silver, Reg. \$24.50, \$19.90
CD-BR80K Front Black, Reg. \$26.50, \$19.90



Bugger III, features a patented,
quick-connect safety hitch
that dampens road
shock and attaches to
any size bicycle
without tools and
without removing
rear carrier.
Tough mold-
ed one-
piece
chassis with

a low center of gravity. 20"
pneumatic wheels with sealed
ball bearings. A harness system
with quick-release buckles for
1 or 2 children. The straps can
also be used as tie-downs for
securing loads.

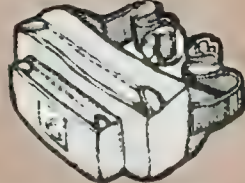
CD-BUG \$187.40



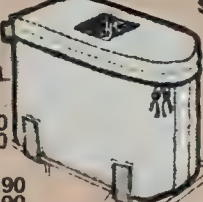
Tonneau Cover, of water-
proof pack cloth to keep
load dry & clean. 4 Adjust-
able Buckles so cover can
be open part way. Specify:
Blue, Red or Yellow
CD-A018-X \$19.80



Back Pack, is ideal for a full day of
touring. Roomy enough for extra clothing,
food, thermos, camera, etc., with an added
outside pocket for small accessories (sun-
glasses, etc.) 6 oz. waterproof nylon oxford
cloth w/polyfoam liner, wide polypropylene
breathable web straps, wrap-around nylon
zipper, teardrop design allows natural and
uninterrupted arm movement.
Capacity: 780 cu in., weight: 12 oz.
Red, Blue, Green
CD-C854-X \$19.50



Belt Pack, just the thing for a
day's touring that doesn't require a full back
pack. Plenty of room for food, sunglasses,
camera, etc. 2 compartments with nylon
zippers and inside elastic bands for securing
items. 8oz. waterproof nylon oxford pack cloth
with leather reinforcements. Sewn-in foam
liner, wide waistbelt w/quick release
buckle, capacity: 300cu.in., weighs 8 oz.
Red, Blue
CD-B0848-X \$15.30

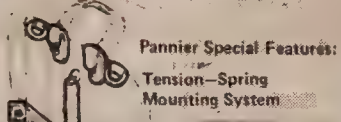


CD-B046-X \$12.90

Rack Pack,
adjustable-length
Velcro fasteners
attach to any rack.
Single main com-
partment with
double-pull wrap-
around zipper. Polyfoam liner.
Perfect for those quick trips to the store. Easily
holds a half-gallon of milk & carton of eggs or
a 6-pack. Capacity: 400 cu.in. Bag Weight:
6 oz.
Colors: Blue, Black, Red, Silver

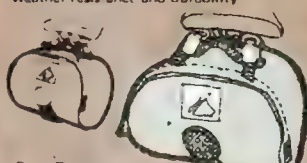


**Tire Sock &
Utility Bag**,
superb stability due
to a mounting
system which secures
the bag under the
saddle and eliminates
sway by wrapping a
Velcro strap around
the junction of the
top tube and downtube. 3 zippered compartments
keep your gear sorted and within easy access. Wrap-
around zipper on the main compartment. Legs won't
hit the bag even on narrow racing saddles. Holds
two tires, tools or other gear.
Bag Weight: 3 oz. Colors: Blue, Black, Red, Silver
CD-B026-X \$9.90



Rigid Nylon Interior
Support Structure
now 3-4 times stronger

* **CANNONDALE'S LONG TOUR LINE**
Manufactured with a heavier 8oz.
waterproof nylon Cordura cloth with a
double urethane coating for maximum
weather resistance and durability

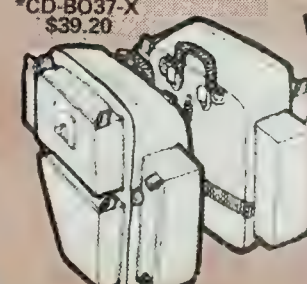


Seat Bag
This larger capacity seat pack has swivel
straps to mount on seats with or without
eyelets. Double zipper opens across top
and down sides. 8oz. Cordura. 5lb. limit.
Capacity: 300 cu.in. Weight: 7 oz.
Blue, Red, Silver or Black
*CD-B031-X \$12.90

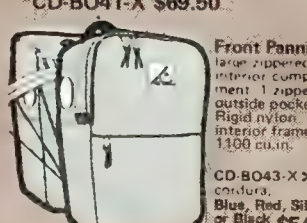


INSIDE: 2 elastic
holder straps plus
interior pockets

Handlebar Bag,
An all-new touring pack that offers
welcome features. A coated
exterior support frame is incorporated
with a special shock-cord mounting
system to provide total rigid security
and stability. This pack features a
polyfoam liner, five outside pockets -
2 on the sides, 1 up front, 1 on top &
1 on the back; detachable zippered map case;
detachable shoulder strap (optional).
This pack is made of the new 8oz. nylon
Cordura cloth with double urethane coat.
Capacity: 675 cu.in. Weight: 15oz.,
Limit: 8 lbs. Blue, Red, Silver, Black
*CD-B037-X \$39.20

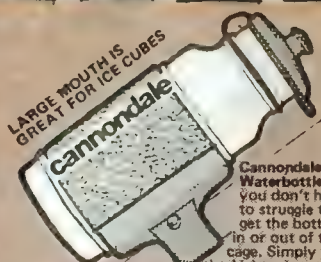


Rear Panniers
A new quick-mounting pannier with
steel spring tension mounting. The ut-
most in stability with maximum pedal
and heel clearance. This pannier offers
8 compartments in all: four outside
zippered pockets on each pack, along
with main compartments that feature 3-
dimensional openings for easy access.
Other features include a molded
liner, stainless steel mounting hooks,
a strong internal molded frame, YKK
nylon zippers and full rain flaps. The
quick-mount design provides total of-
bike convenience also, with quick-snap
fasteners that attach both packs and
web handles for easy carrying. These
packs are constructed of the new 8oz.
nylon oxford Cordura fabric. Capacity:
2500 cu. in., weights: 40 oz., limit 35 lbs.
Blue, Red, Silver or Black
*CD-B041-X \$69.50



CD-B043-X *
Blue, Red, Silver
or Black \$54.40

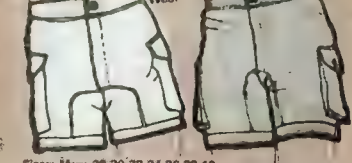
Includes Shoulder Strap



**Cannondale
Waterbottle**,
You don't have
to struggle to
get the bottle
in or out of the
cage. Simply place
the Velcro loop
covered bottle against
the Velcro hook covered
base. Vibration improves the
grip. So easy to use, just pick it up, you can con-
centrate on your riding. Large capacity bottle,
24 oz., with a large mouth. Cap has a drinking
spout designed to open or close with your teeth.
The base is tough, waterproof injection-molded
Dupont Zytel 105. Single screw installation.
Wrench included. Weight: 3 oz. CD-WB \$8.89



Cycling Shorts, designed to combine
styling with comfort and function.
Quick-dry, moisture-wicking fabric.
Comfortable and durable. Available in
men's and women's sizes. Velcro hook and
loop fasteners. Velcro hook and loop
fasteners. Velcro hook and loop fasteners.
Colors: Dark Blue or Camel



Great for any
Active or Leisure
Wear

Sizes: Mens 28,30,32,34,36,38,40
Womens 6,8,10,12,14,16
CD-MCS-X Mens, \$26.90
CD-FCS-X Womens, \$26.90

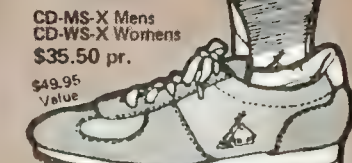


Cycling Glove, handmade in Pennsyl-
vania. Hand-crocheted 100% cotton
back. Top-cushion glove with
faster seams & carefully designed pad-
ding (thumb area, tool offers greater
protection and comfort. Velcro wrist
closure. Measures around palm for size.
Sizes: P,S,M,L,X,J

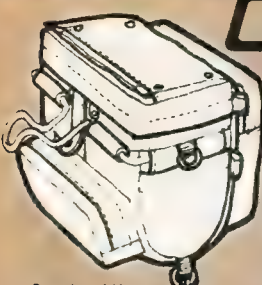
CD-CG-X \$25.40

Sizing Chart	JERSEYS				GLOVES	
	Size	Men's	Women's		Men's	Women's
P	34	36	8	6-6 1/2		
S	36	40	10	6 1/2-7 1/2		
M	42	44	14	7 1/2-8 1/2		
L	46	48	16	8 1/2-9 1/2		
J				10-10 1/2		

Biking Shoes, nylon fabric
uppers with suede leather
reinforcements at all wear
points. Sole stiffener.
Reflective heel patch. Navy
Sizes: (in 1/2 sizes)
Men's 5-13
Women's 4-10



Sheepskin Saddle Cover, extra-thick, super
comfortable fleece. Protects against sticking
and chafing. Elastic edge for snug fit.
2 Sizes: Pro-type or Ladies/Wide
CD-SC Pro-type, \$9.50
CD-LSC Ladies/Wide, \$9.50

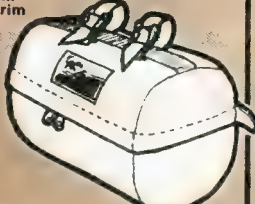


Cycle pro

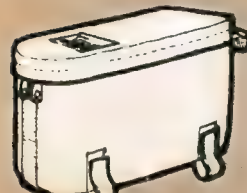
Deluxe Handlebar Bag, water-resistant 420-D Nylon. Supports suspension system. Leather support system sleeves. 3 external zippered compartments. Double-zipper main compartment has Velcro closure for quick & easy access. Map case.

CP-HB-X \$28.80

Capacity: 648 cu.in. 117
Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim



Deluxe Seat Bag, water-resistant 420-D Nylon. Double-zipper compartment. Reinforced webbing. Capacity: 270 cu.in. Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim
CP-SB-X \$7.70



Top Rack Pack, water-resistant 420-D Nylon. Top nylon double-zipper. Velcro fasteners hold pack securely to rack. Nylon carry handle for easy off-the-bike carry-along. Capacity: 510 cu.in. Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim
CP-TP-X \$10.30



Shock Cord External Mounting System



Deluxe Front Panniers, water-resistant 420-D Nylon. Alloy internal support system. Top-loading main and external compartments. Nylon carry handles. Panniers snap together when off-the-bike for easy carry-along. Capacity: 1094 cu.in. Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim
CP-FP-X \$32.60 pr.

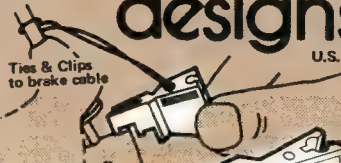


Deluxe Rear Panniers, water-resistant 420-D Nylon. Alloy internal support system. 8 (pr) external zippered compartments. Main compartment has self-locking, drawstring top closures. Nylon carry handles. Panniers snap together when off-the-bike for easy carry-along. Capacity: 1770 cu.in. Colors: Blue w/Black trim
Red w/Black trim
Black w/Black trim
CP-RP-X \$44.72 pr.

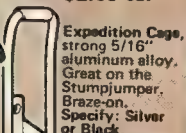


Spring-Mount Support System
NEW LOWER PRICE

jim blackburn designs
U.S.A.



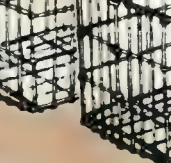
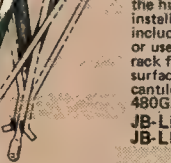
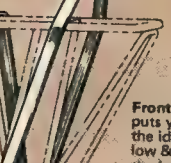
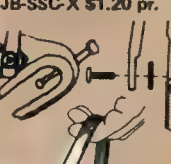
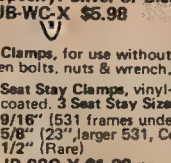
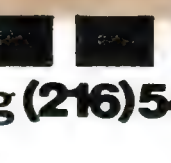
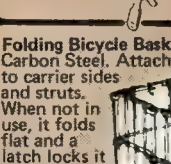
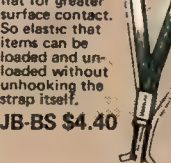
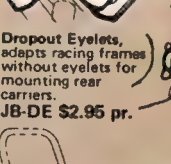
STOPBLOCK turns your handbrake into a parking brake. Just snap it in and your wheels won't roll. JB-SB \$2.65 ea.



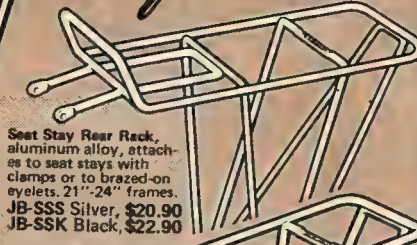
Expedition Cage, strong 5/16" aluminum alloy. Great on the Stumpjumper. Braze-on. Specify: Silver or Black. JB-EC-X \$6.98 NEW



Waterbottle Cage, aluminum alloy. Helarc welded, 4-point cradle design holds bottle more secure yet is easier to remove. 45G Braze-on. Specify: Silver or Black JB-WC-X \$5.98



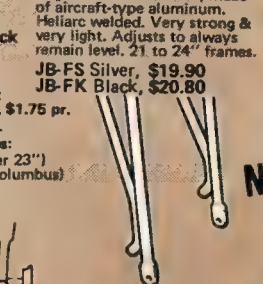
Adjustable Rear Rack, unit construction, helarc welded with 3 pairs of stays. Stainless steel extender attaches to brake bolt and slides in & out to adjust to all frame sizes. 18" to 24" frames. JB-RS Silver, \$20.20
JB-RK Black, \$22.10



Seat Stay Rear Rack, aluminum alloy, attaches to seat stays with clamps or to braze-on eyelets. 21"-24" frames. JB-SSS Silver, \$20.90
JB-SSK Black, \$22.90



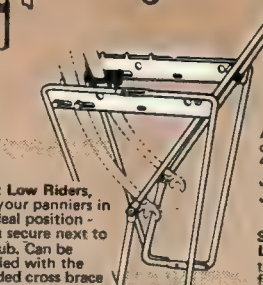
Expedition Seat Stay Rack, exceptionally strong 5/16" aluminum alloy, features a slant back top & extra-wide rear strut for greater clearance on mountain-type bikes. Uses seat stay clamps or braze-on fittings. 592G. JB-ES Silver, \$24.90
JB-ES Black, \$25.90



Adjustable Front Rack, made of aircraft-type aluminum. Helarc welded. Very strong & very light. Adjusts to always remain level. 21 to 24" frames. JB-FS Silver, \$19.90
JB-FK Black, \$20.80



Fastrak Adjustable Rear Rack, a budget rack with Blackburn quality. 2 strut construction. Aluminum rear plate aids in supporting smaller loads. Red graphics. JB-FRS Silver, \$20.90
JB-FRK Black, \$22.90



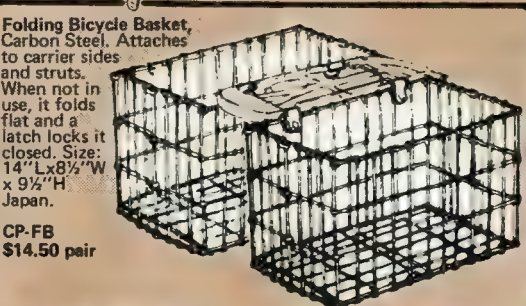
Adjustable Rear Rack LARGE, designed to fit 22"-28" frames. 430G. JB-RLS Silver, \$24.90
JB-RLK Black, \$25.90



Seat Stay Rack LARGE, designed to fit 24"-26" frames. Braze-on or use seat stay clamps. 456G. JB-SSLS Silver, \$24.90
JB-SSLK Black, \$25.90

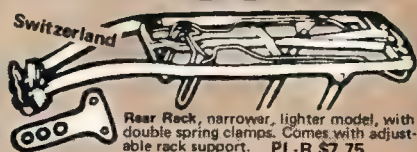


Seat Stay Rack SMALL, designed for 18"-20" frames. 500G. Braze-on or use, with seat stay clamps. JB-SSSS Silver, \$24.90
JB-SSSK Black, \$25.90



Folding Bicycle Basket, Carbon Steel. Attaches to carrier sides and struts. When not in use, it folds flat and a latch locks it closed. Size: 14" L x 8 1/2" W x 9 1/2" H. Japan. CP-FB \$14.50 pair

PLETSCHER



Rear Rack, narrower, lighter model, with double spring clamps. Comes with adjustable rack support. PL-R \$7.75

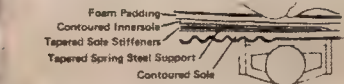
bungie cords

Elastic Bungie Cords, with plastic-coated hooks. 3/8" diam. Assorted Colors. TX-BC-X 12"/40#, 18"/50#, 24"/60#



Model II Cycle-Touring Shoe, the culmination of features taken from the finest athletic and cycling shoe designs. Essential for comfortable and efficient pedaling whether you intend to bike to work or tour the entire continent. Ideal for pleasurable walking, also.

The greatest problem facing the cyclist who wears tennis or athletic shoes comes from a flexible sole which provides insufficient support under the ball of the foot, promoting excessive foot flex and painful twisting. The Model II's **Multidensity Sole**, formed of tapered spring steel and fiber laminates, insures comfort by displacing the pressure around the ball of the foot over a greater area.



Avocat has built in all the safety & pedaling efficiency of a traditional cleated shoe. The forward area of the molded sole features specially angled pedal channels that position the ball of the foot directly over the pedal axle. The shape of the channels provides a far better grip on the pedal than an all-purpose shoe.

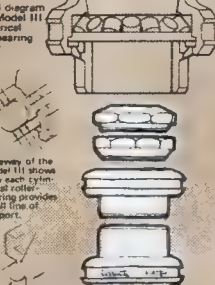
A new raised-cushion heel on the Model II provides absolute walking comfort to the cyclist while working or hiking. The inner sole of the Model II is shaped and contoured to provide luxurious surrounding comfort for the widest of feet all day long—both on and off the bike.

All tapered stiffeners terminate directly forward of the ball of the foot to permit comfortable walking.

The upper portion of the Model II Cycle-Touring Shoe is constructed of an ultra-lightweight nylon fabric—a durable solution to proper ventilation. Protection against toe clip and strap wear is provided by a reinforcement of top quality black suede leather. Extra long tongue.

Color: Silver Nylon Fabric with Black Suede Leather.
Sizes: 4 to 13 AV-S-X \$32.85 pr.

Internal diagram of the Model III Cylindrical Roller-bearing Headset



Model III Sealed Headset, a new design in sealed bearings allows the bearing to simultaneously withstand the heavy radial loads of the fork and the lateral loads of the handlebar through increased area contact. This feature makes the Model III Headset much stronger than any other. Installation of this lightweight aluminum headset is simple and maintenance is a thing of the past. Anodized silver finish, 145G. Guarantee for the life of the bike if properly installed. Specify: English, French or Italian.

NEW SEALED HEADSET DUE OUT SPRING '83
Advantage: Cylindrical roller-bearing provides only one contact point.
Model III Sealed Headset, a new design in sealed bearings allows the bearing to simultaneously withstand the heavy radial loads of the fork and the lateral loads of the handlebar through increased area contact. This feature makes the Model III Headset much stronger than any other. Installation of this lightweight aluminum headset is simple and maintenance is a thing of the past. Anodized silver finish, 145G. Guarantee for the life of the bike if properly installed. Specify: English, French or Italian.

Model I Small Flange Hubs, for the cyclist who prefers to maintain his own equipment. This hub features traditional adjustable cones and Avocat pre-fits hardened steel bearing races that are precision-ground. Model I Hubs come with chromed steel quick-release skewers. 36 Hole.
Specify: 5 or 6 Speed AV-HS-X \$44.80 pr.

Model II Sealed Small Flange Hubs, this single-piece, small flange hub made from cold-forged aluminum is unsurpassed for its strength and beauty. The Model II is designed with adjustable, precision sealed bearings that require little if any maintenance. Cone bearings are machine-ground and polished to a mirror finish. Lightweight alloy quick-release skewers with aluminum skewer heads, 36 Hole.
Specify: 5-speed or 6-speed Rear Hubs.
AV-SHS-X \$69.80 pr.

PANCAKE MIX

The pancakes from these mixes are so great we had to include them in our catalog for everyone to enjoy.

Just add milk to griddle this extra light and fluffy treat. They are wholegrain - without preservatives or additives.

Stone ground in America's largest water-powered grist mill. Established in 1802, the mill remains a working museum at the headwaters of the Little Miami River and the Clifton Gorge in the John Bryan State Park, right here in Ohio.

PANCAKE MIXES are shipped fresh in wire-wrapped gift sacks with a special protective poly over-bag. Each is 1 lb. and makes 20 to 25 cakes.

CT-WW Whole Wheat, 89¢ LB.
CT-CM Corn Meal, 89¢ LB.
CT-GC Griddle Cake, 89¢ LB.
CT-BW Buckwheat, 95¢ LB.

PANCAKE MIX

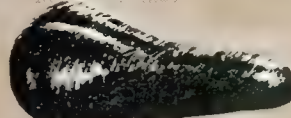
AMERICAN WHOLE GRAIN NO PRESERVATIVES NO ADDITIVES

NET WT. 16 OZS. (1 LB.)

MILLED AND MANUFACTURED BY CLIFTON MILLS, INC., CLIFTON, OHIO 45115



The Avocat Saddle Design System, now, every aspect of the cyclist's pelvic structure gets the support it needs. Varying thicknesses of the molded nylon shell disperse the pressure of the rider's bodyweight over a greater area than with conventional saddles. As the pelvic bones contact the saddle, the padded bumps are displaced and the pressure points (arrows) are relieved. The thinned nylon shell regions below the padded bumps give in a downward direction, thus, distributing support around the pelvic contact points. The padded bumps and thinned nylon shell combine to provide maximum comfort. The lowered area between the bumps prevents irritation in the crotch area.



Mens Model I Saddle, features a softer nylon shell and a thicker, softer (less dense) polyurethane padding. This is an ideal design for the beginner & intermediate cyclist. Smooth Black.
AV-M1 Mens Model 1, \$19.80

Mens Model II Saddle, designed for the more experienced racer or tourist who desires a firmer nylon shell and pad for optimum efficiency during extended riding. Smooth Black.
AV-M2 Mens Model 2, \$23.95



Avocat has taken into account the differences in width and construction between the mens pelvic structure and the women's. Designing Model I & Model II Saddles specifically for women. They feature a broader nylon shell and a repositioning of the saddles' molded anatomic pads. Both models are Smooth Black.

AV-W1 Womens Model 1, \$19.80
AV-W2 Womens Model 2, \$26.80



Model III Racing Saddle, because racing cyclists distribute their bodyweight more evenly over the entire bicycle, this minimizes the pressure put on the saddle form and pelvic structure. This permits a significant reduction in supportive shell area and a corresponding reduction in the padding (the padded bumps are missing from the racing saddle). Lightweight aluminum alloy seat rail.
AV-R3 Racing Model 3, \$36.80

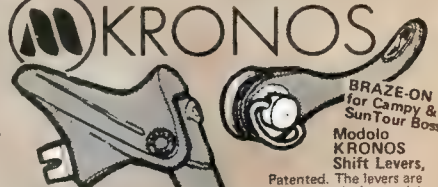
THE NUMBER ONE BRAKE IN ITALY!



Modolo PROFESSIONAL Brakes, Special Light Alloy Sidepull Brakes. Considered by the experts & cycle enthusiasts as the expression of the very best quality available. Refined Aerodynamic Styling throughout. The Controls & Adjustments are set above for an easier & more secure grip. Patented Center Bolt with its 2 diameter stem, is made of high-resistance steel which is tempered & milled for a perfect fit. Metal separator washers are self-lubricating with a patented watertight reservoir. Patented Brake Blocks - Guards provide fast absorption & resistance to blows. Special rubber offers powerful braking, even in water. Brake shoe locks into position on facing caliper through careful machining. 21 Strand Steel Cable is self-lubricating, operating within a tube treated with molybdenum disulfide for increased softness, long-life & external lubrication. Domes-style Allen Bolts add to the aerodynamic and classic look. Finish: Silver Anodized. Specify: Normal or Short Reach.

Modolo PROFESSIONAL Levers, light, high-resistance alloy. Tubular cross-section for maximum strength and reduction in weight. The handle pivot bolt is separate from the handlebar attaching bolt. Handle has 2 rows of holes drilled down the front and 1 row down the back. A lateral design is patented down the center for increased lightness and an aesthetic appearance. Gum Hoods are different left & right. The PROFESSIONAL Brakeset Comes complete with: 2 levers, 2 brakes, 2 cables, 3 spanners, 3 drilled clips, 1 bag cable terminals, instruction book & numbered Guarantee Certificate. Specify: Normal or Short Reach.

MO-PB-X Professional Brakeset, \$99.90 NEW LOWER PRICE



Modolo KRONOS Levers, Patented. Constructed of a high-resistant resin. Although new, it is already a winner in international racing competitions. The lever can withstand heavy blows without problems. The aerodynamic handgrip is mounted the same as a traditional lever. Black finish. MO-KL \$59.95 pr.

Modolo KRONOS Brakes, smaller and aerodynamic design. Produced by Micro-casting. Protected by special wear resistant anodic oxidation. The Center part is covered in a rubber sheath for protection from the elements. Black. MO-KB \$194.50 set

Modolo KRONOS Derailleur & Brake CABLES

DI-BC BRAKE: Fits all front or rear
DI-DC DERAILLEUR: Fits all stem and down tube.

Universal Cables, both have 2 different type ends - cut off end not needed.
DI-BC(Brake) or DI-DC(Derailleur), 60¢ ea.

Tandem Cables, 110", SB-TC-B(Brake) or SB-TC-D(Derailleur), \$2.50 each

EASY-GLIDE HOUSING

Standard diameter for universal fit.
Attractive color vinyl cover.
Smooth, efficient Polyethylene Liner.
Flexible for easy routing 25' lengths.

Colors: Black, Blue, White, Red, Yellow, Silver
WS-H-X \$6.95

Small enough to fit through brake transmission guides

CLIFTON MILL



PANCAKE MIX

AMERICAN WHOLE GRAIN NO PRESERVATIVES NO ADDITIVES

NET WT. 16 OZS. (1 LB.)

MILLED AND MANUFACTURED BY CLIFTON MILLS, INC., CLIFTON, OHIO 45115

KRONOS

Modolo KRONOS Brakes, smaller and aerodynamic design. Produced by Micro-casting. Protected by special wear resistant anodic oxidation. The Center part is covered in a rubber sheath for protection from the elements. Black. MO-KB \$194.50 set

NEW SPECIALIZED

Top Tube Brake Cable Clamps, polished stainless steel, extra light. SB-BCC Set of 3/\$2.25

Aluminum Cable Ends, 50 per bag CP-CE \$2.50 bag

Cycle pro

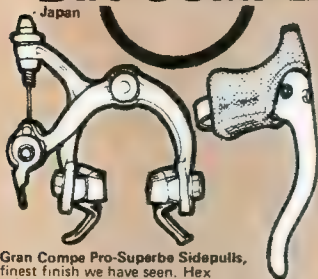
CRYSTAL Cable Housing

Translucent vinyl cover allows the silver to shine through. Polyethylene liner. A very attractive housing. Translucent Colors: Red, Blue, Silver, Gold WS-CH-X \$8.90

Comes in 8 Meter Lengths

Small enough to fit through brake transmission guides

DIA-COMPE



Gran Compe Pro-Superbe Sidepulls, finest finish we have seen. Hex adjusted, cone-shaped center bolt. Black brake blocks. Specify: Normal or Short
DC-GCS-X \$56.00

DC-GH Gran Compe Hoods, gum rubber, \$5.70 pair

DC-DL Gran Compe Levers, New Style, slotted \$11.60 ea. **NEW LOWER PRICE**

DC-TG Gran Compe Tire Guides, vinyl-coated aluminum, fits most brakes. 4/\$2.90

DC-DB Drop Bolts, rear only, \$8.25

DC-TL Touring Lever, for flat handlebars, \$3.50 each

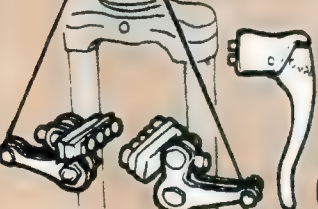


500G Sidepulls, silver anodized, drilled levers, hoods included. **DC-500G \$33.80**
730 x 730 - **DC-730G \$34.80**

DC-DPS Dia-Compe Pad and Shoe Assembly, Black, Set of 4/\$3.70

MAFAC

CANTILEVER BRAKES

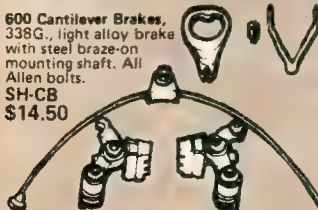


Mafac Cantilever Brakeset, with 1 Dual Cable Lever, & mounting bosses. (no rubber hood).

MF-CB \$19.00

Mafac Dual Cable Levers, MF-DL \$9.25 ea.

SHIMANO-600



600 Cantilever Brakes, 338G., light alloy brake with steel braze-on mounting shaft. All Allen bolts.

SH-CB \$14.50

DC-DL Gran Compe Levers, \$11.60 ea.

DC-TL Touring Lever, \$3.50 ea.

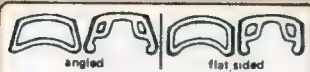
MATHAUSER

brake shoes

Revolutionary, lightweight brake shoes feature optimum stopping power in even the wettest weather. Pads are new, long life compound, curved for 100% rim contact. Shoes are finned aluminum for fast heat dissipation and clean appearance. Specify: Flat or Angled Rims, or for Mafac Brakes.

MA-BS-X Set of 4/\$12.75

DC-TG Tire Guides, 4/\$2.90



All rims we sell take Flat except Fiamm.

Mathauser Replacement Pads, for stock shoes, made of same material as above. 3 Sizes: 'C' for Campy, Zeus & CLB; 'M' for Mafac, Dura-Ace; 'W' for Weinmann, Dia-Compe, Gran Compe, Universal.

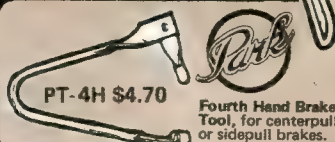
Specify Size: C, M, W

MA-RP-X Set of 4/\$6.25

3rd hand brake tool

3rd Hand Brake Adjusting Tool, places tension on brake arms, holding pads to rims while you adjust cable slack. Essential for proper brake work.

DC-3H \$1.10



PT-4H \$4.70

Fourth Hand Brake Tool, for centerpull or sidepull brakes.

MIRRYCLE

BIKE MIRROR

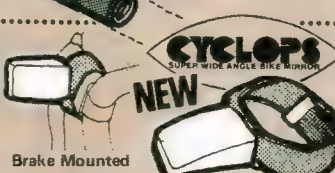
3" diameter convex mirror. Rugged lexan construction. Mounts on the brake lever conveniently out of the way. Adjusts to any position. Vibration is at a minimum. Quick and easy installation. 50G. Fits all Weinmann, Dia-Compe, Shimano types, but not Campy. U.S.A.

MC-BM \$5.75



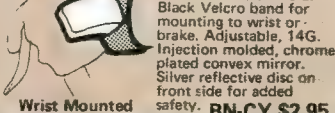
HANDLEBAR-END MOUNT Bike Mirror, adjusts to any position. Installs quick & easy.

MC-BEM \$5.50 Made by **ART-FORM**

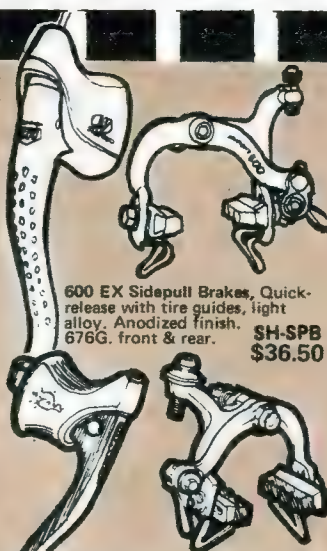


CYCLOPS SUPER-WIDE ANGLE BIKE MIRROR
NEW
Cyclops Bike Mirror, extra-wide vision field. Black Velcro band for mounting to wrist or brake. Adjustable, 14G. Injection molded, chrome-plated convex mirror. Silver reflective disc on front side for added safety.

BN-CY \$2.95

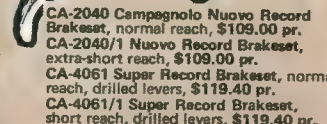


JB-SB \$2.65



600 EX Sidepull Brakes, Quick-release with tire guides, light alloy. Anodized finish. 676G. front & rear.

SH-SPB \$36.50

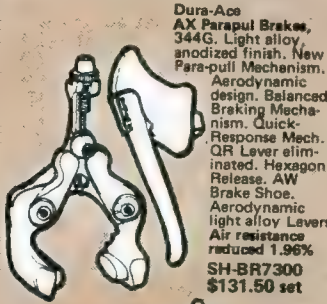


CA-2040 Campagnolo Nuovo Record Brakeset, normal reach, \$109.00 pr.

CA-2040/1 Nuovo Record Brakeset, extra-short reach, \$109.00 pr.

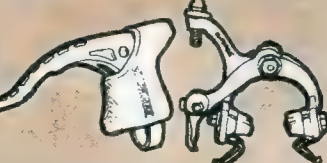
CA-4061 Super Record Brakeset, normal reach, drilled levers, \$119.40 pr.

CA-4061/1 Super Record Brakeset, short reach, drilled levers, \$119.40 pr.



Dura-Ace AX Parapull Brakes, 344G. Light alloy, anodized finish. New Parapull Mechanism. Aerodynamic design. Balanced Braking Mechanism. Quick-Response Mech. QR Lever eliminated. Hexagon Release. AW Brake Shoe. Aerodynamic light alloy Levers. Air resistance reduced 1.96%.

SH-BR7300 \$131.50 set

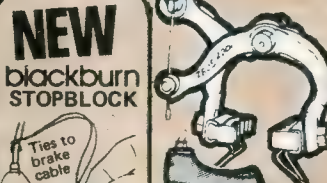


Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr. Short/330G. pr.

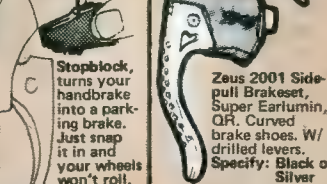
Levers are light alloy, drilled w/anodized finish. Natural rubber covers. Weight: 219G. Includes cable & 3 top tube cable clips.

Specify: Normal or Short Reach

ST-SB-X \$59.50 pr.



NEW
blackburn
STOPBLOCK
Ties to brake cable



Zeus 2001 Sidepull Brakeset, Super Earlumin, QR. Curved brake shoes. W/ drilled levers. Specify: Black or Silver

ZU-27000-X \$73.50

HANDLEBAR PADDING

U.S.A.

Made by **GRAB-ON**



BLACK, BLUE or RED

NEOTECH

MAXY SET Handlebar Padding, extremely comfortable, reduces road vibration. Non-slip grip, absorbs sweat, insulates against cold. Washable. Colors: Black, Blue, Red.

GO-M-X Maxy Set, \$5.95

NOTE: Use P-51 to install (removes old adhesive, then slides and sticks to padding).



PA-P51 85¢ ea., 3/\$2.25, 12/\$8.40

BENOTTO

PROFESSIONAL CELLOTAPE

Handlebar Tape, used by the best pro and amateur cyclists. Unique for its high-quality, appearance & color, non-slip texture, toughness & safety. Comes with pair of matching color handlebar plugs.

Colors: Blue, Red, Yellow, Pink, Green, White, Black.

Italy Silver **BE-HT-X \$1.59 set**



Cloth Tape, woven edges do not unravel. Extra strong adhesive backing. Enough to do France complete bar. France complete bar. Specify: Black, Red, Blue, Yellow, White

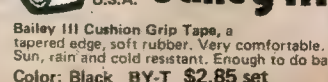
VE-T-X \$1.98 set



U.S.A. **bailey III**

Bailey III Cushion Grip Tape, a tapered edge, soft rubber. Very comfortable. Sun, rain and cold resistant. Enough to do bar.

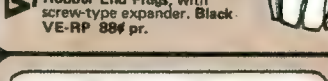
Color: Black **BY-T \$2.85 set**



France **VELOX** **CHROME** Handlebar End Plugs. **VE-C 50¢ pr.**



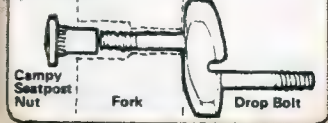
Rubber End Plugs, with screw-type expander. Black. **VE-RP 88¢ pr.**



To make a **FRONT DROP BOLT** YOU NEED: Campy 8mm Seatpost Bolt & REAR Drop Bolt to fit your brakes.

2. Drill Rear of Fork to Fit

3. INSTALL



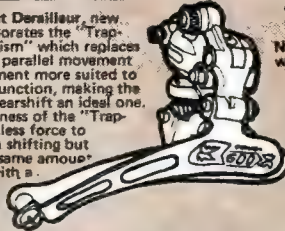


SHIMANO 600 EX



600 EX Front Derailleur, new design incorporates the "Trap-Ease Mechanism" which replaces the awkward parallel movement with a movement more suited to the shifting function, making the low to high gearshift an ideal one. The effectiveness of the "Trap-Ease" allows less force to be used when shifting but provides the same amount of travel as with a conventional derailleur. 107G.

SH-FD
\$8.90

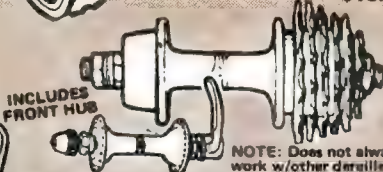


600 EX Rear Derailleur, Equipped with the unique "Hatch-Plate Mechanism" making dismantling the derailleur much easier. The derailleur can be removed in one smooth operation without touching the chain. The "Hatch-Plate Mechanism" rear derailleur is suited for any multi-speed bicycle, especially one equipped w/ a Uni-Balance Freehub. 191G 28T capacity.

SH-RD \$14.50



600 EX GS Rear Derailleur, SH-GS \$13.50



INCLUDES FRONT HUB

NOTE: Does not always work w/other derailleurs.

Freehub Set, Combining the freewheel and hub into one unit, results in a stronger, smaller, lighter, and more economical component. The Freehub uses the new "Uni-Balance Mechanism" which positions the hub nearly centered with the rim, unlike a conventional dished assembly on a multi-speed rear wheel where the hub is positioned to the left of center in order to balance the width of the freewheel. This conventional position results in spoke strain, vibrations and a certain level of expertise in maintenance. The "Uni-Balance Mechanism" solves these problems.

Uniglide teeth (twisted in conjunction with the chain's direction when shifting) are used so either a Uniglide or conventional chain can be used. 919G.



The 600 EX Freehub uses the "Sealed Mechanism" to keep rotating parts free of dirt and water.

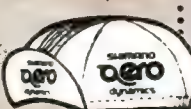
The 600 EX Freehub incorporates the same Cassette Sprocket Assembly as explained in the Dura-Ace EX Freehub.

Standard 6spd.-13,15,17,20,24,28T
SH-FH \$41.50

SINGLE SPROCKETS
SH-FHT-X Thread-on 12,13,14T, \$4.20 ea (Black)
SH-FHS-X Slide-on 30,32,34T, \$4.20 ea (Black)
SH-DFHS-X Slide-on 13,14,15,16,17,18,19,20, 21,22,23,24,26,28T, \$4.20 ea (Gold)

SH-1200906 600 Freehub Removal Tool, \$5.28

Shimano Aero Cap, 50/50 cotton/polyester. White w/Blue lettering. Multi-blue stripe. SH-CAP \$2.95



600 EX Crankset, features the new "W Cut" teeth for smoother gear changing. By shortening the length of two sprocket teeth behind the crank arm, and two teeth located directly opposite (these teeth sustain the least tension while cycling), it's no longer necessary for the chain to be lifted up over the sprocket teeth and then be dropped to a lower gear, which on a conventional front chainwheel causes great stress and wear. Requires only a 6mm Allen Key to remove the front crank arm. The crank arm has been set back near where it attaches to the chainwheel, eliminating any likelihood of the ankle striking the crank arm. 88mm crank arm. 937G. 39 x 52T. Specify: Eng., Fr., Italian

SH-C-X \$49.95

SH-CR-X CHAINRINGS
39,40,42,44T \$11.70 ea.
46,48,49,50,52,53T \$14.50 ea.



600 EX Sidepull Brakes, Quick-release with tire guides, light alloy. Anodized finish. 676G. front & rear. SH-SPB \$36.50



600 EX Headset, the "Sealed Mechanism" although unseen is vital to the bicycle's efficiency. Head parts (and rotating parts of the Freehub) are especially in need of protection from water & dirt. The airtightness of the "Sealed Mechanism" protects all rotating parts. Aluminum body. 142.7G. SH-H \$16.50

600 Small Flange Hubs, quick-release, alloy, 36H. 587G. SH-SH \$29.90 ea.



DURA-ACE EX

NEW LOWER PRICES!

NOTE: Does not always work w/other derailleurs.



Dura-Ace Freehub, incorporates a cassette sprocket assembly in conventional freewheels where both threaded & spacers were used. The desired combination could only be used if quantities of both types were available. The EX Series cassette assembly uses a spline-type system where only a threaded high gear is used to hold the assembly together. This system allows all kinds of gear combinations between second & low gears. Overall weight & size reductions have been made & durability improved. This Freehub also incorporates the "Uni-Balance Mechanism" as explained in the 600 EX Series Freehub.

The axle bearings are located at the end of the freewheel where it is supported by the dropout. This eliminates the torque characteristic which has a tendency to result in bent axles on other hubs. INCLUDES FRONT HUB.

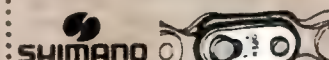
Custom 6 spd. Freehub-choose any 6 spd. combination from sizes below,
SH-K-DFH-X \$74.00

SINGLE SPROCKETS

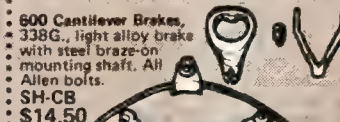
SH-DFHT-X Thread-on 11,12,13,14,15,16T
SH-DFHS-X Slide 12,13,14,15,16,17,18,19,20,21,22,23, 24,25,26,28T \$4.20 each



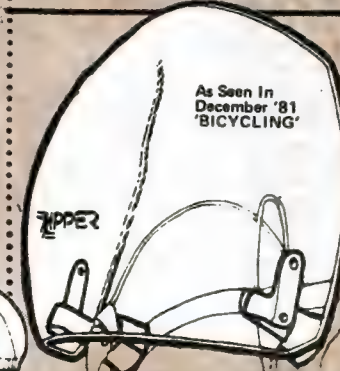
Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25



SH-LL \$2.70
Not for use with Ultra or disassembly of chain without Freewheels. the need of tools.

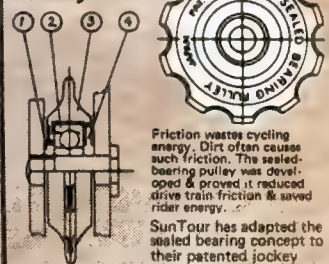


600 Cantilever Brakes, 338G., light alloy brake with steel braze-on mounting shaft. All Allen bolts. SH-CB \$14.50
DC-DL Gran Compe Levers, \$11.60 ea.
DC-TL Touring Lever, \$3.50 ea.



As Seen In December '81 'BICYCLING'

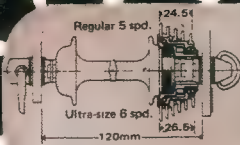
NEW SUNTOUR Sealed Bearing Jockey Wheel



Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.
SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangeable with standard SunTour jockey wheels. With Shimano, too.



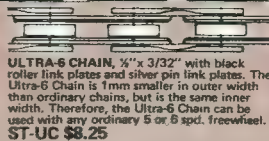
Zipper Road Fairing, reduces aerodynamic drag an average of about 20% (5% for every day cycling). Ultralight, flexible Lexan shell absorbs road shock. The Zipper helps protect the rider from foul weather. There's enough airflow to keep the body cool during hot weather, yet, in cold weather the hands are protected from icy blasts. Velcro quick-release mounting system. Weight: 14 oz. ZP-F \$51.50



ULTRA
The distance between the sprockets is narrower when compared to an ordinary freewheel. The Ultra-6 will fit a regular 5-spd hub.
SILVER, English only

13,14,15,16,17,19
13,14,15,17,19,21
13,14,17,19,21,24
13,15,17,20,23,26
13,15,18,21,24,28
13,15,18,21,26,32

ST-U6-X \$19.90



ULTRA-6 CHAIN, 1/2" x 3/32" with black roller link plates and silver pin link plates. The Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same inner width. Therefore, the Ultra-6 Chain can be used with any ordinary 5 or 6 spd. freewheel.
ST-UC \$8.25

NEW Ultra-Lite

From SUNTOUR

Weight: 161G (13x19)

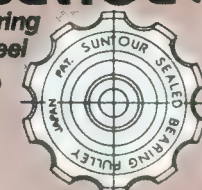
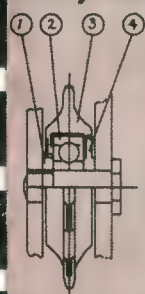


Ultra-Lite 6 Speed Freewheel, English, Aluminum alloy.
WE RECOMMEND 6-SPD HUB SPACING.
Specify:
13 x 19T **ST-UL-X**
13 x 22T **\$18.95**
13 x 24T **\$69.95**

Remover Tool, **ST-ULR \$4.50**

NEW SUNTOUR

Sealed Bearing Jockey Wheel



Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.

SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangeable with standard SunTour jockey wheels.

ST-SBP \$9.25 pr.
Also fits most other derailleurs



Campagnolo
NEW CA-FW-X Campagnolo Freewheel, aluminum alloy cogs, stainless steel bearings. Patented helical slots make it effortless to remove.
161G.

CA-FW-12x17
12,13,14,15,16,17 Special **\$295.00**
CA-FW-X
13,14,15,16,17,18
13,14,15,16,19,21 **\$149.20**
13,15,17,19,21,23
14,15,16,17,19,21

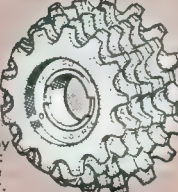
Remover Tool, **CA-SFR \$61.00**

maillard

LIGHTEST FREEWHEEL AVAILABLE

Maillard 700, 5/6 spd. forged Magnesium alloy body and cogs. **NOTE:** Recommended for the experienced rider only.
13,14,15,16,17T.
Weight: (5 spd): 125G.
Works well with Sedit-sport chain.

ML-FW \$95.00



Simply replacing the 13T cog with the included double screw-on 12/13T cog converts your 5spd to a 6spd. Weight: 135G.

Removal Tool, a must with this freewheel.
ML-FWR \$4.80

WINNER 6spd FREEWHEEL



13x19-13,14,15,16,17,19T
13x21-13,14,15,17,19,21T
13x24-13,14,17,19,21,24T
13x26-13,15,17,20,23,26T
13x28-13,14,16,19,23,28T
13x32-13,14,17,20,26,32T

Winner 6-spd, English

ST-N6-X \$18.90



NEW WINNER -5spd FREEWHEEL

13x17-13,14,15,16,17T
13x19-13,14,15,17,19T
13x21-13,15,17,19,21T
13x24-13,15,18,21,24T
13x26-13,16,19,23,26T
13x28-13,16,19,23,28T
13x32-13,17,20,26,32T

Winner S, precision steel, English, Silver

ST-N5-X

\$16.90

ST-FR Remover for all SunTour, \$1.45



PRO COMPE GOLD FREEWHEEL

SPECIAL TOURING 5 Speed

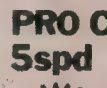
15,18,22,28,38T English Only

ST-TPC \$10.70



PRO COMPE 6spd SILVER

14 x 24 English Only
14 x 26
14 x 28 **ST-PC6-X**
14 x 32 **\$11.50**
14 x 34



PRO COMPE GOLD FREEWHEEL 5spd

14x18-14,15,16,17,18
14x21-14,15,17,19,21
14x24-14,16,18,21,24
14x26-14,16,19,22,26
14x28-14,17,20,24,28
14x30-14,18,22,26,30
14x32-14,18,22,26,32
14x34-14,18,22,27,34

Stock Sizes at left, English Only

ST-PC-X \$9.70

Any Combination 14 to 34T, Eng. or French

ST-K-PCC-X \$10.90

PRO COMPE GOLD SPROCKETS

Thread-on "A"
14,15,16,17,18
ST-PCT-X \$1.90 ea.

Slide-on "B"
16-34T (No 29,31,33)
ST-PCS-X \$2.10 ea.



Slide On (3) "B"
Thread-on (2) "A"

Pro Compe Body, English or French
ST-PCB-X \$5.50

Tandem Body, English only, **ST-TB \$6.80**

SPACER PAK: ST-PSP \$1.20

Includes: 1 - 1st Gear (do not use w/14T)
1 - 2nd Gear
2 - Low Gear



TANDEM FREEWHEELS—for the extra strength a tandem requires. English, with any sprockets listed above.
ST-K-TF-X \$11.77

PLEASE NOTE: Due to occasional factory changes on freewheels—"Inner" Cogs may deviate by 1 Tooth.

EXAMPLE: 19T may sub for a 20T.



SUNTOUR CONE ADJUSTMENT SPANNER **ST-CAS \$7.60**



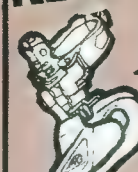
SUNTOUR FREEWHEEL REMOVER **ST-FR \$1.45**

Spoke Protector, light alloy w/anodized finish. Diameter: 75", for 27-34T low gear. Weight: 48G.
ST-ASP \$1.75

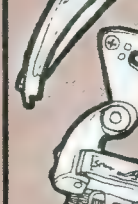
NEW

SUNTOUR

Widest Range Available



NEW AG Front Derailleur, light alloy body, chromium-plated steel guard, heat-treated steel inner chain guide. Slant parallelogram, Draw bridge system, Inner plate slide. Weight: 155G. 22T capacity **ST-AGF \$8.99**



NEW AG Rear Derailleur, Light alloy/die-cast (frame). Steel with chromium plating. Slant parallelogram, straight wire mechanism, quick cage, top normal. Capacity: (Rear) 38T; (Front) 16T with 38T rear. Weight: 375G.

SOLD AS A SET ONLY



NEW AG 5-Speed Freewheel, boss type. Steel sprockets with brown finish. Forged steel body. Threads: English. With chain guard. Standard 14,17,22,28,38T. For use with AG Rear Derailleur.

Rear Derailleur/Freewheel Set, ST-AG \$25.27

CYCLONE MARK-II MICRO LITE & AERODYNAMICS



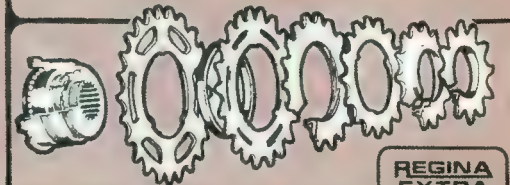
Cyclone Mark II Rear Derailleur, now more compact and lighter. The Cable Fastening Bolt is recessed in the shifting mechanism for a simplified design and improved operating smoothness. Slant Parallelogram. Non-bending Mechanism. Easy cable threading. Top Normal. Available in Standard Short Cage (24T capacity) or Long Cage GT (32T capacity).

ST-MR Standard, \$22.70 ST-GT GT, \$25.70

Cyclone Mark II Front Derailleur, light alloy, Parallelogram, Low Normal. New "Endless Band" Mounting replaces the bulky hinged clamp. The Mounting Bolt fits into the derailleur body. 14T capacity. Overall reduction in volume of 26% & weight of 13%. **ST-MF \$14.20**

"Top Mount" Shift Levers, light alloy body/levers; stainless steel clamp. "Endless Band" Mounting with a recessed clamp bolt. Full 140° lever movement. Internal Travel Stops. "Synchro-Shift" Mechanism automatically adjusts the front lever to center the front derailleur over the chain when the rear derailleur is moved. The slight "overshift" required for efficient gear changing is also done automatically. 74G.

ST-ML \$10.90



NEW Regina CX Freewheel, 6-Speed. A significant step forward in high-performance freewheel construction. Combines the Advantages of spined cog freewheels with the trustworthiness of Regina full-thread models. The body is improved in overall balance & distribution of its masses—accounting for smoother, quieter freewheeling. The new CX design results in a high degree of finish and extremely narrow tolerances. 6 Speed Sizes:

RA-CX-X 13x18T-13,14,15,16,17,18T
13x21T-13,14,15,17,19,21T
12x17T-12,13,14,15,16,17T
14x19T-14,15,16,17,18,19T **\$25.90**

REGINA EXTRA



CX Remover, for use with a 23mm wrench. **RA-CXR \$3.95**

NEW Regina CX Chain, for use with the CX Freewheel, 1/2 x 3/32. **RA-CXC \$19.10**

NEW SHIFTER CONVERSION KIT

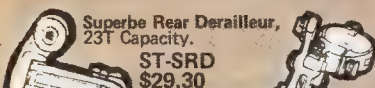
Solves the problem of installing bar-end shifters when the frame has brace-on bosses or downtube shifters. Just mount kit parts in place of shifters. Made of black reinforced Delrin. Fits both Campy and SunTour Bosses. DB-SC \$5.49

Will also fit Shimano when using Shimano's tightening bolts.

SUPERBE

Racing Equipment from SUN TOUR

Use Cyclone Mark II Shifters, ST-ML \$10.90



Superbe Rear Derailleur, 23T Capacity.

ST-SRD \$29.30



Superbe Front Derailleur ST-SFD \$19.90

Superbe Pro Pedals, hollow chrome-molly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

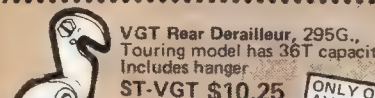
ST-SPP \$55.80 pr.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr.

Short/330G. pr.

Levers are light alloy, drilled w/anodized finish. Natural rubber covers. Weight: 219G. Includes cable & 3 top tube cable clips. Specify: Normal or Short Reach

ST-SB-X \$59.50 pr.

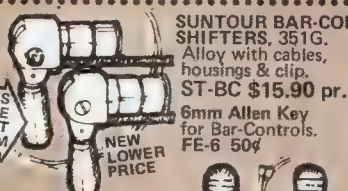


VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger. ST-VGT \$10.25

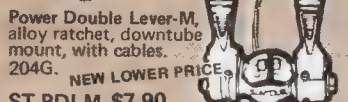


Compe-V Front Derailleur, with steel cage for touring durability. 145G. ST-CV \$5.70

ONLY ONES AVAILABLE W/RATCHET MECHANISM



SUNTOUR BAR-CON SHIFTERS, 351G. Alloy with cables, housings & clip. ST-BC \$15.90 pr. 6mm Allen Key for Bar-Controls. FE-6 504.

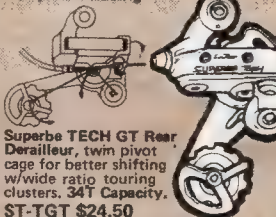


Power Double Lever-M, alloy ratchet, downtube mount, with cables. 204G. NEW LOWER PRICE

ST-PDLM \$7.90

NEW SUPERBE TECH Derailleurs

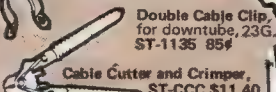
- Permanently lubricated, hermetically sealed shifting mechanism.
- Two large pivot bushings rather than the usual four pins
- Adjustable body angle and slant-parallelgram.
- Frictionless, direct cable routing
- Sealed bearing jockey pulleys
- Twin pivot cage (on GT)
- Only 3% more weight than Superbe Racing



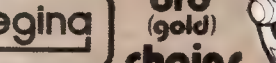
Superbe TECH GT Rear Derailleur, twin pivot cage for better shifting w/wide ratio touring clusters. 34T Capacity. ST-TGT \$24.50



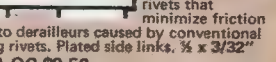
Superbe TECH S Rear Derailleur, 30T Capacity. ST-TS \$22.50



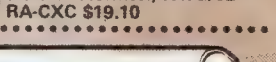
Superbe TECH Front Derailleur. ST-TF \$6.80



Chainstay Clip, with-out gaurd, ST-1080 75¢



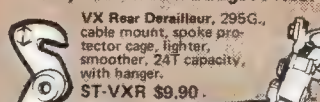
Double Cable Clip, for downtube, 23G., ST-1135 85¢



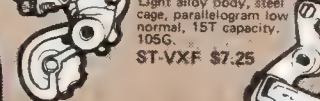
Cable Cutter and Crimper, ST-CCC \$11.40

ROAD VX

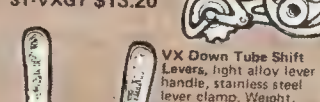
Light Alloy, Slant Pantograph Components at a Budget Price



VX Rear Derailleur, 295G., cable mount, spoke protector cage, lighter, smoother. 24T capacity, with hanger. ST-VXR \$9.90.



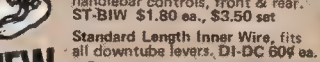
VX Front Derailleur, Light alloy body, steel cage, parallelgram low normal, 15T capacity. 105G. ST-VXF \$7.25



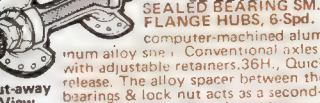
VX GT Rear Derailleur, 34T capacity, 275G., w/hanger. ST-VXGT \$13.20



VX Down Tube Shift Levers, light alloy lever handle, stainless steel lever clamp. Weight. 80G. ST-VXDT \$7.90



VX Small Flange Hubs, forged light alloy with quick-release skewers. Eng., 36H., 595G. pr. ST-VXSH \$21.90 pr.



SunTour Braided Inner Wire, for handlebar controls, front & rear. ST-BIW \$1.80 ea., \$3.50 set



Standard Length Inner Wire, fits all downtube levers. DI-CE 604¢ ea.

NEW

SUNTOUR

SEALED BEARING SM. FLANGE HUBS, 6-Spd. computer-machined alum.

num alloy steel. Conventional axles with adjustable retainers. 36H., Quick-release. The alloy spacer between the bearings & lock nut acts as a secondary seal against grit and moisture.

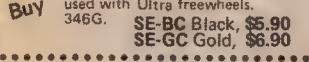
ST-SBH \$32.95 pr.

CHAINS



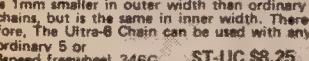
Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

SE-BC Black, \$6.90
SE-GC Gold, \$6.90

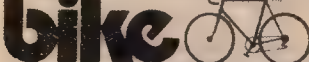


Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

ST-UC \$8.25



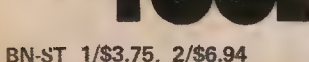
Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25



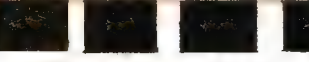
Link Lock, quick, easy assembly or disassembly of chain without the need of tools. SH-LL \$2.70



Cyclo Chain Rivet Remover, SB-CY \$3.75



Chainstay Guard, highly-polished stainless steel. Contoured to perfectly fit chainstay. Adhesive-backed to stay secure. BN-SCG \$1.80



Regina Extra utilize beveled rivets that minimize friction and wear to derailleurs caused by conventional protruding rivets. Plated side links, 1/2 x 3/32" 388G. RA-OC \$9.50



NEW Regina CX Chain, for use with the CX Freewheel, 1/2 x 3/32 RA-CXC \$19.10

Chainstay Guard, clear plastic, slips over chainstay to protect finish from chain damage. CP-CG 55¢ ea.

Chainstay Guard, highly-polished stainless steel. Contoured to perfectly fit chainstay. Adhesive-backed to stay secure. BN-SCG \$1.80

Cyclo Chain Rivet Remover, SB-CY \$3.75

Link Lock, quick, easy assembly or disassembly of chain without the need of tools. SH-LL \$2.70

Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25

Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

Compe-V Front Derailleur, with steel cage for touring durability. 145G.

VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr.

Superbe Pro Pedals, hollow chrome-molly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

Superbe Front Derailleur ST-SFD \$19.90

Superbe Rear Derailleur, 23T Capacity.

Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25

Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

Compe-V Front Derailleur, with steel cage for touring durability. 145G.

VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr.

Superbe Pro Pedals, hollow chrome-molly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

Superbe Front Derailleur ST-SFD \$19.90

Superbe Rear Derailleur, 23T Capacity.

Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25

Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

Compe-V Front Derailleur, with steel cage for touring durability. 145G.

VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr.

Superbe Pro Pedals, hollow chrome-molly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

Superbe Front Derailleur ST-SFD \$19.90

Superbe Rear Derailleur, 23T Capacity.

Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25

Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

Compe-V Front Derailleur, with steel cage for touring durability. 145G.

VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger.

Superbe Pro Sidepull Brakes & Levers, brakes are cold-forged light alloy with an anodized finish. Free stopper quick-release and tire guide. Lock nut w/Allen key hole. Weights: Normal/346G. pr.

Superbe Pro Pedals, hollow chrome-molly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

Superbe Front Derailleur ST-SFD \$19.90

Superbe Rear Derailleur, 23T Capacity.

Shimano Uniglide Chain, specially-formed gold side plates for improved shifting. 370G. 1/2 x 3/32 x 116L. SH-UC \$7.25

Sedisport, revolutionary narrow chain with Cambered Inner Plates to add in extra-quiet/smooth shifting. Inner Floating Link makes Sedisport flexible. Reduced Plate Diameters reduce chain track & weight. Short Pins are Delta-Treated (corrosion-resistant metallic finish). Can be used with Ultra freewheels. 346G.

Ultra-6 1/2 x 3/32" with black roller link plates and silver pin link plates. Ultra-6 Chain is 1mm smaller in outer width than ordinary chains, but is the same in inner width. Therefore, The Ultra-6 Chain can be used with any ordinary 5 or 6 speed freewheel. 346G.

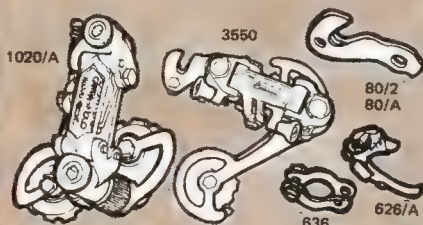
Compe-V Front Derailleur, with steel cage for touring durability. 145G.

VGT Rear Derailleur, 295G., Touring model has 36T capacity. Includes hanger.

Campagnolo

Over the years the name of Campagnolo has garnered more respect and admiration among racers and touring cyclists than any other in the cycling world. Campagnolo's reputation for quality and dependability has been proven at all racing events the world over. Parts availability has been greatly improved, making Campy parts in-stock items.

As an added convenience, Campagnolo now includes a Limited Lifetime Warranty on all components. Campagnolo—A standard of excellence you can depend on.



CA-1020/A Nuovo Record Rear, 199G., 28T. \$49.80

CA-3550 NEW Touring, w/36T range, and slant pantograph design, 310G. \$52.60

CA-1020/18 Super Record Rear Derailleur, black, w/out hanger, 187.6G., \$69.50

CA-80/2 Nuovo Record Hanger, \$1.28

CA-80/A Rally Hanger \$1.42

CA-626/A Double Cable Guide, \$7.43

CA-636 Chainstay Clip \$2.70

CA-622 SS Housing, \$2.43

CA-1052/1 Nuovo Record Front Derailleur, NOW DRILLED, 92.5G., \$24.10

CA-1051/1 Super Record Front Derailleur, \$29.90



CA-1014 Nuovo Record Downtube Shifters, 74.6G. \$15.50

CA-1012/3 Bar End Shifters (2), 108.2G. \$29.95

CA-629 Fulcrum Clip for above, \$3.98

CA-218 Front changer cable to handlebar control, \$3.04

CA-145 Gear cable to handlebar control, \$3.51

CA-625 S.S. Outer Casing to d.t. handlebar control, \$5.25

CA-1013/5/6 Braze-on Lever Set, \$15.50



Specify Threads: English, French or Italian

CA-1038-X Nuovo Record Road Headset complete, 216.6G. \$29.90

CA-1040-X Nuovo Record Track Headset complete, \$38.95

CA-2101 Bearing Set for Road Headset \$2.31

CA-4041-X Super Record Road Headset, ultralight, English, French or Italian, 151.3G., \$39.90

CA-2040 Nuovo Record Brake Set-brakes, handles and cables, (Pr.) 789.7G. \$109.00

CA-2040/1 Same as above but w/extra short reach, 786G. \$109.00

CA-2030 Nuovo Record Brake Handle w/hood, 110.4G. \$64.50

CA-2012/2 Drop Center Bolt for touring frames, 28.9G. \$17.21

CA-648 Cable Clip Set (3) \$7.43

CA-4061 Super Record Brakeset, Normal Reach, drilled levers, \$119.90

CA-4061/1 Super Record Brakeset, Short Reach, drilled levers, \$119.90

CA-2010 Brake block \$2.70

CA-2039 Rubber lever hood \$7.09



CA-1253 Nuovo Tipo Lg. Flange Hubs, 567.1G., \$49.90 pr.

CA-1251 Nuovo Tipo Sm. Flange Hubs, 508.4G., \$46.90 pr.

CA-1035-X Nuovo Record Lg. Flange, 595.6G., \$76.80 pr.*

CA-1034-X Nuovo Record Sm. Flange, 519.2G., \$64.50 pr.*

CA-1034/35-X Special Hi/Lo Flange, 541.8G., \$87.95 pr.*

CA-1036/2-X Nuovo Record Sm. Flange Track, \$77.95 pr.*

CA-1036-X Nuovo Record Lg. Flange Track, \$77.95 pr.*

CA-1034/A-X Nuovo Record Front Sm. Fl. Hub, \$36.25 ea.*

CA-1034/P-X Nuovo Record Rear Sm. Fl. Hub, \$38.25 ea.*

CA-1035/P-X Nuovo Record Front Lg. Fl. Hub, \$42.40 ea.*

CA-1035/P-X Nuovo Record Rear Lg. Fl. Hub, \$44.40 ea.*

CA-1034/6-X Nuovo Record 6-spd. Sm. Fl. Hubs, \$68.50 pr.*

CA-1036/6-X Nuovo Record 6-spd. Lg. Fl. Hubs, \$80.80 pr.*

CA-1034/P6-X Nuovo Record Rear 6-spd. Sm. Fl., \$42.26 ea.*

CA-1035/P6-X Nuovo Record Rear 6-spd. Lg. Fl., \$48.40 ea.*

* We stock 36 Hole. Specify if: 24, 28, 32 or 40 Hole.



CA-1030/2 Metal Pump Head (Silca) with blue rubber tip legs, Presta, \$8.50

CA-3346 Superlight Pump Head (Silca) \$5.50

CA-632 Umbrella Pump Clip, \$6.75

CA-648 Superlight Peg Pump Clip, \$3.51

CA-ATC-X Aluminum Toe Clips, Silver. Sizes: S,M,L \$14.50 pr.

CA-STC-X Steel Toe Clips, Silver. Sizes: S,M,L. \$10.50 pr.

CA-1037 Nuovo Record Road, Chrome, 415.7G. \$59.97

CA-1037/A Nuovo Record Road SL, Black, 332.8G. \$64.50

CA-1038/A Nuovo Record SL Track, Black, 322.4G. \$80.95

CA-4021 Super Record Road Pedals, titanium axles, 269.8G., \$159.40

CA-1044-X Nuovo Record Seatpost, 180mm length. Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm \$33.89

CA-4051-X Super Record Seatpost, fluted, wide cradle. Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm \$49.95

CA-1072 Allen Seatpost Bolt, 8mm, 8.9G., \$5.00

CA-1070 Superlight Seatpost Bolt, drilled, 10mm, 9.7G., (drill out frame hole to fit), \$5.00

CA-1048 Nuovo Record Crankset, with Nuovo Record BB Assembly, 170mm crank arms. English/68mm. 976.7G. 42 x 52T. \$119.90

CA-K-1048-X Nuovo Record Crankset with your choice of Nuovo Record BB Threads. Specify: Eng. or Fr. (68mm) or Italian (70mm); Arm Lengths, Specify: 165 to 180mm; and Chaining Teeth (2). Specify: 42 to 57T. \$146.50

CA-1048 Nuovo Record Crankset, without Bottom Bracket. 170mm Arms. 42 x 52T. \$99.00

CA-K-1049-X Nuovo Record Crankset, without Bottom Bracket. Your choice of Arm Lengths, Specify: 165 to 180mm; and Nuovo Record Chainrings, Specify: 42 to 57T. \$109.50

CA-1050-X Nuovo Record Track Crankset, with BB, \$130.00

CA-753-X Nuovo Record Chainrings, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57T., \$33.90 each

CA-K-1048/A-X Super Record Road Crankset, Without Bottom Bracket. Your choice of Arm Length, Specify: 165 to 180mm; and Super Record Chainrings (2). Specify: 42 to 57T. \$110.80

CA-753/A-X Super Record Chainrings, ultralight, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57T. \$37.80 ea.

CA-1048/3 Triple Crankset, 36T bottom and any other 2 Chainrings. Choice of Record BB. \$199.95

CA-1048/7 Triple Tandem Crankset, with crossover drive, 42T bottom and any other 2 chainrings. Choice of BB. \$482.95

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90



NEW CA-FW-X Campagnolo Freehub, aluminum alloy cogs, stainless steel bearings. Patented helical slots makes it effortless to remove. 161G

CA-FW-12/17

12,13,14,15,16,17 Special \$295.00

13,14,15,16,17,18

13,14,15,16,19,21

13,15,17,19,21,23

14,15,16,17,19,21

Remover Tool, CA-SFR \$61.00

groupo

NUOVO RECORD ROAD GROUPO, Specify: Normal or Short Reach Brakes, Hub Holes & Flange, Threads, Post Diameter, Arm Length, Chaining Teeth. Gruppo now comes with Super Record Chainrings no extra cost. CA-K-1032/F-X N.R. Gruppo, \$495.50

CA-606 Rear Derailleur Cable, 118cm
CA-608 Front Derailleur Cable, 72cm
CA-622 Rear Derailleur S.S. Cable Casing, 21cm
CA-626/A Dual Derailleur Cable Guide, new style
CA-636 Rear Derailleur Cable Stop Chainstay
CA-632 Seat Tube Pump Clip
CA-649 Brake Cable Clips, 3
CA-1014 Downtube Shifters or CA-1013/5/6 Braze-on Levers

CA-1020/A Nuovo Record Rear Derailleur, w/out hanger
CA-1052/1 Nuovo Record Front Derailleur
CA-1030/2 Special Pump Adaptor
CA-1034-X Record 5-spd Sm. Fl. Hubs, Specify Holes
CA-1037 Nuovo Record Road Pedals
CA-1039-X Record Road Headset, Specify: Eng., Fr., Ital.
CA-1044-X Record Seatpost, Specify: 25.0 to 27.4mm
CA-1046/A-X Nuovo Record BB Set, Specify: Eng., Fr., Ital.
CA-751-X Right Crank Arm, Specify: 165 to 180mm
CA-752-X Left Crank Arm, Specify: 165 to 180mm
CA-753-A-X Super Record Chainrings (2), Specify: 42-57T
CA-754/5 Chainwheel Fastening Screw/Nut, Set of 5
CA-2040-X Record Brakeset, Specify: Normal or Short

Large Flange or 6-Speed Hubs/\$4.00 Additional

tools

CA-3385 Special Grease, 100G (3.5oz.), \$4.73
CA-3386 Special Grease, 500G (17.5oz.), \$16.20
CA-Q Cone Wrench 13/14 or 15/16, \$6.50

CA-143/2 T Wrench, for brakes derailleurs, bar end shifters, \$10.13

CA-769 Bottom Bracket Axle Spanner, \$7.78

CA-768 Peg Spanner, for chaining bolts, \$1.95

CA-770 Cotterless Crank Extractor, \$10.53

CA-712 Bottom Bracket Lock Ring Tool, \$13.90

CA-771 Seatpost Wrench \$11.75

CA-713 Bottom Bracket Stationary Cup Tool, \$15.94

CA-712/1 Bottom Bracket Adjusting Cup Tool, \$13.98

CA-EP Pins, \$2.84 Pair

Campagnolo Decal for downtube, CA-D 50¢ each

Campy Belt Buckle, LIMITED EDITION

CA-BB Brass, \$9.85

CA-PB Pewter, \$9.85

CA-C-X Campy Corkscrew, the "Big One", Specify: Silver or Bronze finish \$69.95

CA-1048/3 Triple Crankset, 36T bottom and any other 2 Chainrings. Choice of Record BB. \$199.95

CA-1048/7 Triple Tandem Crankset, with crossover drive, 42T bottom and any other 2 chainrings. Choice of BB. \$482.95

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

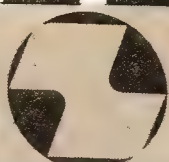
CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$148.90

CA-1046/A-X Nuovo Record BB Set, complete, Specify: Eng. or Fr. (68mm) or Ital. (70mm), \$42.80

CA-4031-X Super Record BB Set, Titanium spindle. Specify: Eng. or Fr. (68mm) or Ital. (70

Zeus

ALL SPECIAL ORDER



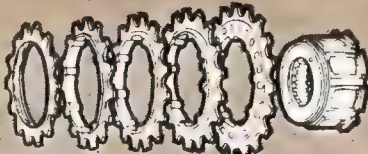
*All Zeus Parts are Drop-Shipped, therefore, a \$25.00 Minimum Zeus Order is required.

Allow 2 Weeks Delivery

Zeus 2000 Crank, without Bottom Bracket, Made of Titanox, 698G, 170mm crank arms. Drilled chainrings. Your choice of chainrings: 36 to 56T
Specify: Black or Silver ZU-13000-X \$103.92

Zeus 2001 Sidepull Brake Set, Super Earlumin II, 640G. Fitted with curved brake shoes to follow the line of the rim. Quick-release on rider side of calipers. Includes drilled levers & gum hoods. Includes cables and housing. Specify: Black or Silver ZU-27000-X \$58.80

Zeus 2000 Bottom Bracket, Titanox, 175G. Eng. or Italian ZU-23000-X \$53.90



Zeus 2000 Freewheel, 6 Speed, Super Earlumin II, 250G. (13 x 23T). English. Your choice of combination: 13 to 30 Teeth ZU-29100.06-X \$62.32

Zeus Aluminum Track Cogs, 13,14,15,16,17,18,19T ZU-28450-X \$7.10 each *

Zeus 2000 Headset, Super Earlumin II, 140G. Specify: English or Italian; Specify: Black or Silver ZU-26000-X \$27.12

Zeus 2000 Pedals, Titanox, 340G, 9/16" English. Specify: Black or Silver ZU-24001-X \$83.12



Zeus 2000 Hubset, Titanox, 470G. Titanium Skewers. English. Quick-release. Specify: Black or Silver Specify Holes: 24, 32, 36, 40H Specify: 5 or 6 spd. ZU-28000-X \$94.32

ZU-C104 Zeus Catalog 104, \$8.00

Zeus 2000 Shift Levers, with clamp, downtube, includes cable/housing. Silver. ZU-21000 \$6.50 *

Zeus 2001 Braze-on Shift Levers, with braze-on boss. 65G. Includes cable/housing. Silver ZU-20900 \$6.96 *

Rubber Covers, for shift lever handles, 3G. Colors: Red, Blue, Black, White ZU-21800-X 95¢ pair *

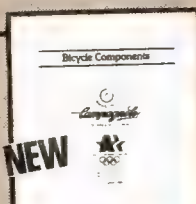
Criterium Seatpost, Super Earlumin II, 280G. Diameters: 25.25, 26, 26.2, 26.4, 26.6, 26.8, 27, 27.2, 27.4 ZU-25100-X \$29.68



Campagnolo Lyera Jersey, 90% nylon/10% Lycra Spandex fits like a second skin. Highly elastic-moves with every motion of the rider. Zippered. Hemmed sleeves. Rear pockets. Campy logo silk-screened on front & back. Color: Yellow w/Black Sizes: S, M, L CA-PJ-X \$29.95

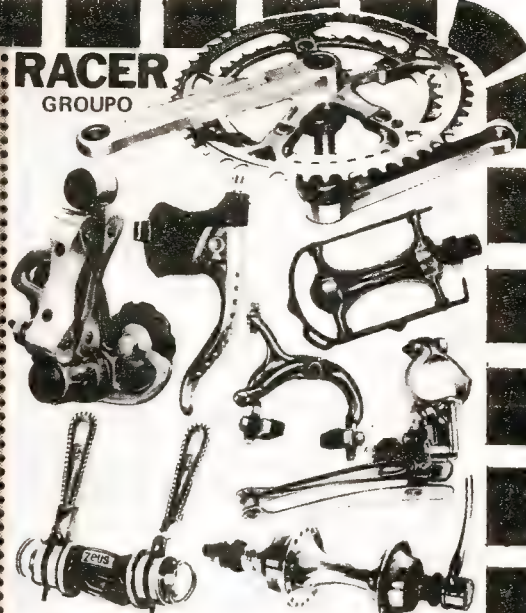
NEW Campagnolo Catalog, details, photographs, statistics and exploded views of main components, complete groupsets, complete tool cases, single tools, special tools, accessories, promotional items. From the exclusive official supplier of technical assistance to the cycling events of the 1984 Olympics. 48 pg. BO-CC \$4.50

MOST SMALL PARTS IN STOCK



NEW Campagnolo Lapel Pin Set, 1984 Olympic theme, "Stars in Motion" in red, white & blue on gold. Each with different Campagnolo logo. Set of 3 SPECIAL \$11.50 CA-LP

RACER GROUP



Racer Crankset, Duralumin K, 880G, 170mm crank arms. Standard 36 x 52T. With BB. English or Italian. Racer Rear Derailleur, Duralumin S, 210G. Racer Front Derailleur, Duralumin S, 95G. Racer Shift Levers, downtube, Duralumin S, 80G. Racer Pedals, Duralumin S(steel), 440G. Eng. or Italian. Racer Brakeset, sidepull, Duralumin S, 650G. Quick-release, drilled levers. Includes cable/housing. Racer Hubset, Duralumin S, 550G. 36H. Quick-release. English. Specify: 5 or 6 speed. ZU-RG-X Racer Grupo, \$183.90



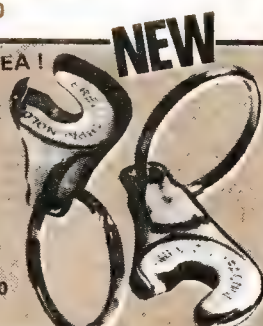
Zeus SUPERCRONOS Frame, Reynolds 531 SL Tubing. Chrome Lugs on head tube. Chrome Flats on rear dropouts. Chrome Fork. Zeus Dropouts 29400.00 with Rear Adjustors. Braze-ons for downtube levers, Waterbottle Cage Bosses, All Braze-on Cable Guides. Head Tube: 74°; Seat Tube: 75° Colors: Red, Blue, Green Sizes: 50, 52, 54, 56, 58, 60cm ZU-SCF-X \$470.00

Zeus SUPERCRONOS Assembled Bicycle, same specs as SUPERCRONOS Frame. Zeus 2000 Components, Silver. Neo Pro Tubulars, Mavic Professional Rims, Christophe Z-Clips and Straps, Braze-on Lever Assembly. 20lbs. Includes Zeus Frame-fit Pump and Zeus Waterbottle & Alloy Cage. Colors: Red, Blue, Green Sizes: 50, 52, 54, 56, 58, 60, 62cm ZU-B-X \$1100.00

A GREAT GIFT IDEA!

Key-Ring Bottle Opener, NEW from HH Engineering. Made from a Campagnolo Fork Dropout with a key-ring attached. Available in either a highly polished chrome finish or a special hand-selected heavy 24K gold finish. Comes in a white jewelry box.

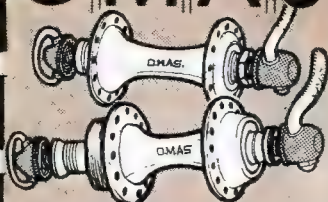
HH-KRC Chrome, \$12.50 HH-KRG Gold, \$25.00



"No Wait" Ordering (216)542-3671 • Toll Free 1-800-321-2474

"I assure you I will continue to deal with your fine organization," B.S., Poughkeepsie, NY.

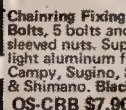
OMAS



Sealed Bearing Small Flange Hubs, steel alloy axles, precision sealed bearings, aluminum skewer ends, 36 Hole. A beautifully-finished hub, English. Specify: 5 or 6 speed
OS-H-X \$64.50



Crankarm Fixing Bolts, superlight aluminum, 15mm. With washers. Fits Campy, Sugino, Black, Pair.
OS-CAB \$4.70

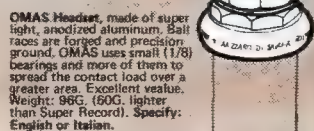


Chainring Fixing Bolts, 5 bolts and sleeved nuts. Superlight aluminum fits Campy, Sugino, SR & Shimano. Black.
OS-CRB \$7.90

Seatpost Bolt, heat-treated aluminum, 5mm hex size, 8mm diameter, 2.5G, Black.
OS-SP \$3.90



Titanium Sealed Bottom Bracket, titanium axle w/aluminum cups. Perfectly adjusted sealed bearing cartridges in specially machined cups. Each cup has a lock ring. Fits Sugino & Campy. Specify: 68 or 70mm; English or Italian.
OS-TBB-X \$69.80



OMAS Headset, made of super light, anodized aluminum. Ball races are forged and precision ground. OMAS uses small (1/8) bearings and more of them to spread the contact load over a greater area. Excellent value. Weight: 96G. (50G lighter than Super Record). Specify: English or Italian.
OS-HS-X \$32.95

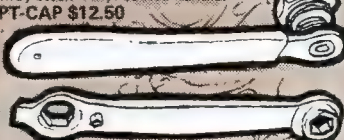


Stem Binder Bolt, heat-treated aluminum. Superlight, 25G. Black. **OS-BB \$4.80**



Gold seal grease, high-grade waterproof bicycle grease especially prepared for: head bearings, hubs, forks, cranks, & pedals. Protects against wear and corrosion. 2 oz. tube only **PA-GS 75¢ ea.**

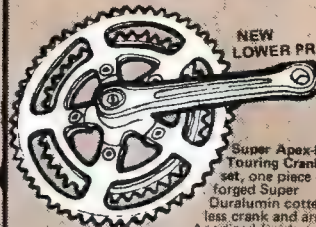
Universal Cotterless Crank Arm Puller, no need to have different pullers for different cranks. Double-ended puller nut will fit all cranks. Heat-treated alloy steel. Vinyl-coated handle.
PT-CAP \$12.50



Universal Cotterless Crank Bolt Wrench, fits crank arm fixing bolts of all cotterless cranks. One end has a screwdriver of 6mm hex for dust caps. There's also 14, 15 and 16mm box ends. **PT-CBW \$11.40**

ADDITIONAL TOOLS ON PAGE 31

SAKAE



Super Apex-5 Touring Crankset, one piece forged Super Duralumin cotterless crank and arms. Anodized finish. Super Duralumin cold rolled chainrings, 170mm arms, 68mm BB. Approx. 600G. Specify: Eng., Fr. or Italian. Specify: 28x38T, 32x52T, 42x52T, 36x50T.
SR-A5-X \$44.70

Super Apex 5 Triple Touring Crankset, 68mm BB, 170mm crank arms, 34 x 42 x 52T. Specify: English, French or Italian.
SR-A5T-X \$48.30

Super Apex 5 Chainrings, Super Duralumin. Specify: 28, 30, 32, 34, 36, 38, 39, 40, 42, 44, 46, 48, 50, 52, 54T. **SR-A5C-X \$8.90 each**

Crank Arms, includes bolts, dust cover.
SR-RA Right Arm, \$28.50
SR-LA Left Arm, \$24.50

Cotterless Crank Fixer & Extractor, 99G.
SR-CE \$5.25



Super Apex Bottom Bracket Set, DOUBLE, Chrome-moly steel, 119.0mm length. Specify: English/68mm, French/68mm, Italian/70mm
SR-ABD-X \$12.80

Super Apex Bottom Bracket Set, TRIPLE, 121.5mm length. Specify: English/68mm, French/68mm, Italian/70mm
SR-ABT-X \$13.80



crankset installation

THREADING INFORMATION

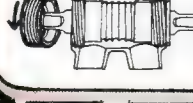
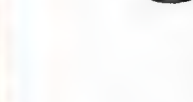
B. B. ASSEMBLY **FIXED CUP**
English (1,370 x 24 TPI) - Left-hand thread (Counter-clockwise)
French (35 mm x 1.0 mm) - Right-hand thread (Clockwise)
Italian (36 mm x 24 TPI) - Right-hand thread (Clockwise)



IMPORTANT NOTE:
Apply liberal amounts of grease to all threads and bearings before assembly.



B. B. shell cut-away from above



1. Thoroughly clean bottom bracket shell threads with a fine brush before assembly. Using a fixed cup spanner, carefully thread the fixed cup (with flange) in the right bottom bracket shell. Be sure to tighten very snugly.

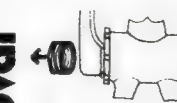
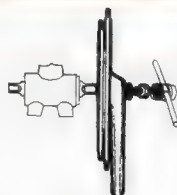
2. Place one bearing retainer well packed with bearing grease) on longer spindle end. Be sure to place flat side of retainer towards spindle shoulder. If installed backwards, the retainer will cause severe scoring of the inner cup. Option: Many pro bikers prefer to remove the bearing balls from the retainer keeper and install them stuck in place with grease. Doing this, one extra ball is used on each side. The advantage is just slightly less friction.

3. Insert the spindle end (with bearing mounted) through the bottom bracket shell from the left side, sliding spindle tip through the opening in the already-installed fixed cup.

4. While holding the inserted spindle in place, slide the plastic dust seal over the spindle inside the B. B. shell until proper contact is made with the inside of the fixed cup.

5. While still holding the spindle in place, slip the other bearing retainer (well packed with grease) over the left end of the spindle. Again, be certain the flat side of the retainer faces the spindle shoulder. This places the exposed bearings towards you.

6. Again holding the spindle, thread the adjustable cup into place over the spindle. Hand tighten the cup at this point just enough to seat the bearings.



7. Place the right-hand crank arm assembly in position, over the right end of the protruding spindle. Carefully slide the arm in place, being certain to properly level it upon the spindle. Thread crank arm bolt (with washer) into the spindle end. A crank bolt wrench is needed to tighten this bolt. Making certain no cross-threading is taking place, tighten the bolt very firmly.

8. Adjust the tightness of the adjustable cup--smooth operation is desired here. Using your pin-spanner, tighten until slight drag resistance is felt in crank movement, and back off approximately 1/6 turn.

9. When the adjustable cup has been properly set, hold in position with the pin-spanner and install lock ring. Firmly tighten the lock ring against the B.B. shell using a lock ring spanner. Use caution here, as these cups sometimes tend to move as the lock ring is tightened. Repeat operation if necessary until proper adjustment is completed.

10. Install left-hand crank arm utilizing the same method employed when the right arm was installed. Remember that the crank arms must face in opposite directions. (I. e. - one arm pointing rearward, the other forward).

11. Re-check both crank arm bolts for tightness. Install threaded bolt dust covers. (Do not over-tighten covers).

Your new crankset is now installed and ready to accept chain hookup and pedals.

First unthread the protective cap covering the crank arm bolt.

Place the socket end of the crank extracting tool over the crank arm bolt. Using the proper wrench or leverage rod, unthread the crank arm bolt.

To remove the crank arm, use the threaded extractor: First unthread the inner bolt of the tool so the face is flush with the larger tool housing. Thread the housing into the crank arm bolt opening--tighten snugly. Now, using the proper wrench, tighten the extracting tool's inner bolt. This will place pressure on the spindle end, resulting in extraction of the crank arm.

crank removal



Universal Adjustable cup Spanner, AA-UCS \$5.50

Extra Pins, AA-EP \$1.75 pr.

Artisan Crank Bolt Socket Wrench, Specify: AA-CB-14, 14mm for DA, SR, Nerva, Maxy, Apex-\$2.80
AA-CB-15, 15mm for Campy, Sugino, Mighty, TA-\$2.80
AA-CB-16, 16mm for Zeus, Stronglite-\$2.80

Adjustable Cup Spanner, fits Campy, DA, Sugino and 32mm Headset. AA-ACS \$7.80
Extra Pins, AA-EP \$1.75 pr.

Fixed Cup Remover on one end fits Campy, DA, Sugino, etc. 15mm Pedal Wrench on other end. AA-FCR \$6.80

Lock Ring Spanner, fits all notched lock rings and 32mm Headset. AA-1LR \$6.50
Campy 3-Prong, AA-3LR \$6.60

Sugino

CHAIN WHEEL



AERO MAXY FE

Aero Maxy FE Double Crankset, gravity casting light alloy crank with melt-forged light alloy arm. Barrel finished. Cotterless type. 170mm arm length. Cold rolled steel chainrings are grit blasted & chrome plated. 42 x 52T

SU-FE-X English, \$19.40
French, \$21.30
Italian, \$21.30



AERO

Sugino



AERO MIGHTY

Improved weight, strength & hardness based on the latest Aero-Design. Reduction of air resistance through the teardrop shape of the 5 arms and crank. Crankarm Length: 170mm. English, 68mm axle. Weight: 610G (Double). W/Autext SU-AMD Double, 42x52T, \$84.80

Uses GS Chainrings
GS Chainrings, drilled Duralumin. SU-GSC-X 42,43,44,45,46,48,49,50,51,52,53,54T, \$13.15 each

Above Aero Mighty Crank with your choice of Sugino BB Threads. Specify: English, French or Italian; Arm Lengths, Specify: 165, 170, 175mm; and GS Chainrings (2). Specify Teeth.
SU-K-AMD-X \$96.36

Sugino GT Crankset, melt-forged Duralumin crank and arm. Cotterless-type. 170mm crank arms (for chainrings down to 34T). Note: GT 175mm arms go down to 24T. Includes BB, chrome cups and DX spindle.

SU-GT-X Double, 42x52T, Eng., \$43.40
Fr., \$44.90
Ital., \$44.90

SU-GTT-X Triple, 34x42x52T, Eng., \$46.90
Fr., \$48.70
Ital., \$48.70

GT Chainrings, Duralumin. SU-GTC-X 24,26,28,30,32,34,36,38,40T, \$7.40 each
42,44,45,46,47,48T, \$9.05 each
49,50,51,52,53,54T, \$9.90 each



AERO TOUR

Aero Tour DOUBLE Crankset, forged from Super Duralumin. Cotterless-type crank & arm are forged into 1 piece. Chainrings are Drilled Super Duralumin. Anodized. Comes with the Autext one-key release System. 170mm crank arms. Specify: English, French or Italian. Specify: 34 x 52T or 42 x 52T.
SU-ATD-X Double, \$54.50

Uses GT Chainrings
GT Chainrings, Duralumin. SU-GTC-X 24,26,28,30,32,34,36,38,40T, \$7.40 each
42,44,45,46,47,48T, \$9.05 each
49,50,51,52,53,54T, \$9.90 each

Above Aero Tour Double Crankset with your choice of Sugino BB Threads. Specify: English, French or Italian; Arm Lengths, Specify: 170 or 175mm; and GT Chainrings, Specify Teeth.
SU-K-ATD-X \$78.30

Aero Tour TRIPLE Crankset, same as Aero Tour Double. 170mm Crank Arms. English/ 68mm BB. 34 x 42 x 52T.
SU-AT3 Triple 34x42x52T, \$65.90

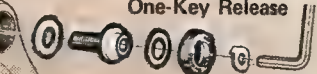
Above Aero Tour Triple Crankset with your choice of Sugino BB Threads. Specify: English, French or Italian; Arm Lengths, Specify: 170 or 175mm; and GT Chainrings (3). Specify Teeth.
SU-K-AT3-X \$89.10

Aero Tour TANDEM Crankset, with your choice of Sugino BB Threads. Specify: English, French or Italian; and GT Chainrings (3). Specify Teeth.
SU-K-ATT-X \$168.30

In this Catalog we also supply our own illustrated and detailed installation instructions that take the guesswork and grief out of proper crankset assembly. PAGE 21

AUTEX

One-Key Release



For Allen key removal of crank arms. Comes with special tool to fit your 6mm Allen key (not included). Fits Sugino, SR and Campy.

SU-AU \$5.95 pr.

B.B. ASSEMBLIES



Sugino GS Bottom Bracket Assemblies, include: NI-CR steel 68mm (Eng., French) or 70mm (Italian) Axle, chrome steel Bearings w/Retainers, NI-CR steel Fixed Cup, Adjustable Cup & Lock Ring (English, French or Italian), Crank Bolts and Washers, Plastic Protective Sleeve. Specify: Eng. or Fr. (68mm) or Ital. (70mm). Specify: Single, Double, Triple
SU-MDX-X \$14.50

Sugino GT Bottom Bracket Assemblies, include: chrome steel 68mm (English or French) or 70mm (Italian) Axle, chrome steel Bearings w/Retainers, chrome steel Fixed Cup, Adjustable Cup and Lock Ring (English, French or Italian), 2 Fixing Nuts with Integral Washers, Plastic Protective Sleeve. Specify: English or French (68mm) or Italian (70mm).
SU-MBB-X Complete BB Assembly, \$9.75

SUGINO SMALL PARTS

CRANK ARMS
SU-GTAR-X GT Right, 170 or 175mm, \$18.50
SU-GTAL-X GT Left, 170 or 175mm, \$14.50
(NOTE: 175mm goes down to 24T)

SU-ATAR-X Aero Tour Right, 170 or 175mm \$36.30
SU-ATAL-X Aero Tour Left, 170 or 175mm \$18.30
SU-AMAR-X Aero Mighty Right, 165, 170 or 175mm, \$36.30
SU-AMAL-X Aero Mighty Left, 165, 170 or 175mm, \$18.30

BEARINGS:
SU-B NI-CR steel, with Retainers, \$1.40 pr.

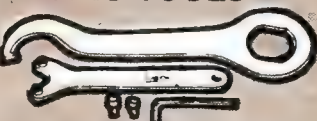
CRANK ARM BOLTS & WASHERS:
SU-15 Mighty/Maxy, 15mm, 2 Bolts/Washers, 85¢
SU-14 Old Maxy, 14mm, 2 Nuts/Washers, 85¢

DUST CAPS:
SU-AC Mighty, alloy, Silver, \$1.40 pr.
SU-DC Maxy, Plastic, 95¢ pr.

CHAINRING BOLTS, NUTS & WASHERS:
SU-DB Double Set, \$4.13
SU-TB Triple Set, \$5.50

SU-PPS Plastic Protective Sleeve, fits all, 85¢
SU-PS Bolt Peg Spanner, 75¢
FE-5 Bolt Allen Key, 6mm, 50¢

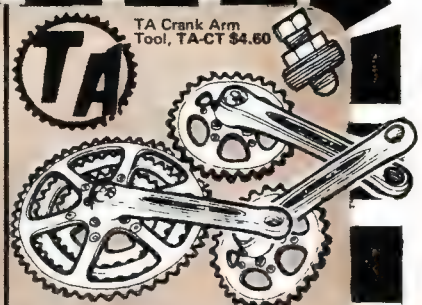
SUGINO TOOLS



Sugino BB Tool Set, also fits Campy and DuraAce. Tools: Fixed Cup, Adjustable Cup and Lock Ring. Allen Wrench and 2 extra pins.
SU-BBTS \$10.90

Mighty/Maxy Crank Extractor, also fits Campy and DuraAce. SU-MCE \$4.60

Old Maxy Crank Extractor, fits 1 & 1/2 SU-MXCE \$4.40



TA Crank Arm Tool, TA-CT \$4.60
TA Triple Tandem Crankset, with Crossover Drive. Contains: 1 Tandem Arm Set, Specify: 165 or 170mm; 1 Tandem Bottom Bracket Set, Specify: English, French or Italian; your choice of 3 Chainrings (2 Inner/1 Outer), Specify: Inner (2) 26 to 49T. Outer (1) 40 to 54T.
35T Crossover, no choice.
SPECIAL ORDER
TA-K-TTC-X Tandem Triple, \$178.15



Molded from lightweight, Hi-Impact Polypropylene
More protection. The child sits in-not on the contoured bucket seat, with a high back and conformed foot and leg area. A large spoke guard, extra strong seat belt & rear reflector are added safeguards. The plated tubular steel frame centers the weight over the rear axle for better balance. Attaches easily to any 26 or 27" bike and holds a child up to 40lbs. Vented back and fitted pad make a softer, cooler ride. Easy on/easy off with quick-release knobs. Attaches to stays. Drop eyelets are not required. Color: Beige
TR-CC \$27.80



PAC-2 Carrier, its innovative dual function design is the answer for the commuter/recreational family cyclist. With a simple snap of the locking device, no tools needed, the PAC-2 converts from a Cargo Carrier to a Child Carrier. Molded of high-impact polypropylene, 2 rear reflectors. Fits most 26 and 27" bikes. As a CARGO CARRIER, PAC-2 protects its contents from the weather & can be locked for security when bike is parked. Remove the lid and large packages can be carried. As a CHILD CARRIER, the PAC-2 provides "Hi-back" support and complete lower body protection. Includes a leather grained, cushioned pad. Velcro attached, and a heavy woven seat belt for added safety. Even when the child outgrows it, the PAC-2 never outgrows its usefulness.
TR-PAC2 \$42.80

Watch for QUANTITY DISCOUNTS throughout this catalog. Great for CLUB AND TEAM PURCHASES.

threads

Most imported bikes use English threads. The following are the exception (usually):

Threads	Country
Italian	Italy
French	Mexico
Most new models are now coming with English	Some Belgium
	France
	Spain
	Switzerl.

Bottom Bracket

English	1.370"x24TPI
Italian	38MMx24TPI
French	35MMx1.0MM
68MM Wide/Italian	70MM

Gear Hangers

Most gear hangers are French threaded.
10MM x 1MM

Headsets

English	1"x24TPI *
Italian	25.4MMx24TPI *
French	25MMx1MM

Hubs

English	1.370"x24TPI *
Italian	35MMx24TPI *
French	34.7MMx1MM

We just stock English

Pedals

English	9/16"x20TPI *
Italian	Same *
French	14MMx1.25MM

* Interchangeable

bearings

Bearing Sizes

Bearing	Use
1/8"	Freewheels
5/32"	Pedals, Headsets
3/16"	Campy Road Headset Front Hubs
7/32"	Campy Fr. Hubs
1/4"	Rear Hubs B. B.

brakes

Brake Clearances

Measured from the height of the center of the mount hole straight down to the center of brake pad.



Brakes	Min.	Max.	Center
Campy Short Reach	43mm	51mm	47mm
Campy Normal	48	56	52
Campy w/Dropbolt	54	62	58
Dura-Ace ParaPul	49	57	53
Shimano 600	43	57	53
Gran Compe Sidepull	45	55	50
Gran Compe 450 CP	46	57	51
Dia Compe 500G*	42	56	48
Dia Compe 730G*	53	70	62
Modolo Short	40	52	
Modolo Normal	46	58	

*With Drop Bolt - Add 6mm

NEW

SPECIALIZED

SB-TW-X \$7.25 pr.

Color: Royal Blue
Sizes: S, M, L



Toe Warmers, for cold weather cycling. Nylon. Protect the feet from chilling effects of wind & moisture. Velcro fasteners for quick installation & removal.

ZEUS

Zeus 2000 Pedals, Titanox. 340G. 9/16" English. Specify: Black or Silver

ZU-24001-X \$103.90



SPECIAL ORDER

bike nashbar

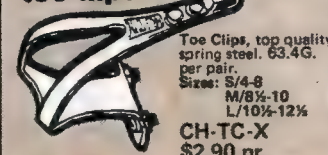


Bike Nashbar Toe Straps, made of genuine leather. Quick-release buckle has Binda-style release with ferruled roller. Bike Nashbar logo is embossed in gold letters on each strap. 40.7G. Colors: White, Black, Blue, Red



BN-TS-X \$1.70 PAIR

christophe toe clips



Toe Clips, top quality spring steel. 63.4G. per pair.
Sizes: S/4-8
M/8-10
L/10-12

CH-TC-X \$2.90 pr.



Christophe toe straps. Pro straps are supple leather with Christophe stamped in fine outlined silver letters. Quick-release buckle has Binda-style release with ferruled roller. 48.1G. Specify: White, Red, Blue or Black

CH-TS-X \$3.25 pr.

Laminated Straps, leather straps with nylon reinforcing. CyclePro logo. Colors: White, Black

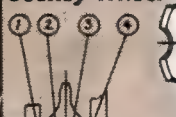
CYCLE pro

CP-LS-X \$7.50 pr.
\$11.00 Value



NEW SUNTOUR

Sealed Bearing Jockey Wheel



Friction wastes cycling energy. Dirt often causes such friction. The sealed-bearing pulley was developed & proved it reduced drive train friction & saved rider energy.

SunTour has adapted the sealed bearing concept to their patented jockey wheel shape, thus, improving on a great idea. The SunTour Jockey Wheel uses a special bearing fitted to a special carbon fiber wheel. All dimensions make it fully interchangeable with standard SunTour jockey wheels.

1. Aluminum Bushing
2. Sealed Bearing
3. Resin Pulley
4. Bearing Retainer

ST-SBP \$9.25 pr.

Works with Campy & Shimano, too.

KKT

PRO ACE ENGLISH

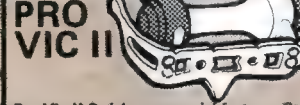


Pro Ace Road Pedals, Campy copy, alloy body. Chromemoly shaft. Clip and strap attachable.

353G. Silver, KK-PAS \$25.50 pr.

Black, KK-PAK \$25.90 pr.

Pro Ace Pedal Wrench, KK-PAW \$1.65



Pro-Vic II Pedals, new model features Campy copy plate. Large "rivet" attachment. Forged aluminum body, tempered steel axle. Servicable bearings. SILVER, English or Fr.

KK-PV-X \$10.95 pr.



Deluxe spring steel. Sewn leatherette. \$1.5G. Specify: S/4-5, M/6-8, L/9-10, XL/11-13.

KK-TC-X \$5.95 pr.

Cat-Eye Pedal Reflectors Set of 4/CE-PR 75¢

ESQUARTZ



Weight: 390G. (with toe clip)
Sizes: Medium, Large (9 up)

ST-ESQ-X \$18.95 pr.

Replacement Toe Clips, Sizes: M or L

ST-ETC-X \$6.75 pr.

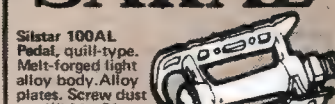
SUPERBE



Superbe Pro Pedals, hollow chrome-moly spindles, sealed roller bearings, forged aluminum "H" design bodies. Black cage. 300G. pair.

ST-SPP \$52.65 pr.

SAKAE



Silstar 100AL Pedal, quilt-type. Melt-forged light alloy body. Alloy plates. Screw dust cap. Width: 61mm Weight: 345G.

9/16" Eng. or Fr. SR-100AL-X \$12.80 pr.

SR-100BL Pedal, Black, Eng., \$13.80 pr. SR-200BL Track, Black, English, \$13.80 pr.

Campagnolo



CA-1037/A Nuovo Record Road SL, chrome, 415.7G. \$59.97

CA-1037/A Nuovo Record Road SL, black, 332.8G. \$64.50

CA-1038/A Nuovo Record SL Track, black, 322.4G. \$80.95

CA-4021 Super Record Road, titanium axles, 269.8G. \$158.40

ALFREDO BINDA toe straps



Super quality, soft leather. Quick-release buckles. Specify: Black, White, Blue, Red.

CA-AB-X \$7.45 pr.

BINDA extra

The best strap available. Two leather straps are bonded with nylon permitting almost no stretch. Off-White. CA-BE \$11.75 pr.

BEARINGS

Ball Bearings, chrome steel bearings. High-Grade. Come 100 to a bag. Specify Use or Size - 1/8", 5/32", 3/16", 1/4"

RT-X 1/8, 93¢
3/16, 93¢
5/32, \$1.05
actual sizes 1/4, \$1.25

1/8 5/32 3/16 1/4

Bearing Use
1/8"..... Freewheels

5/32"..... Pedals, Headsets

3/16"..... Campy Road Headset, Front Hubs

1/4"..... Rear Hubs, B.B.

bullseye pulleys



With Precision Sealed Ball Bearings

A 78-foot hillclimb is saved every 100 miles, on the average, by replacing sleeve-bearing types with BULLSEYE PULLEYS - enough work to raise a 100-pound weight 122 feet. On the level, you'll be about 1685 feet ahead - almost 1/3-mile.

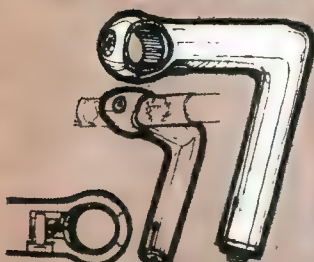
A comparison between hubs and pulleys puts the difference into perspective: a set of hubs will use about 2,950 foot-pounds of energy carrying 200 pounds total, every 100 miles. A pair of Bullseye Pulleys will use about 2,250; a pair of sleeve-bearing pulleys will use 14,400!

Less internal clearance and thicker flanges precisely position chain. Seals practically and maintenance, but are removable for inspection. Easy installation on any derailleur; no cones to adjust.

DU-BP \$15.70 pr.

Cinelli

SR SAKAE



Model 1/Record Stem, the latest from Cinelli has hidden binder with Allen bolt under extension. Very short supply. Pearl satin finish alloy. Alloy expanding bolt/plug. Diameter: 22.2mm. Specify Extension: 100, 110, 120, 130, 140mm

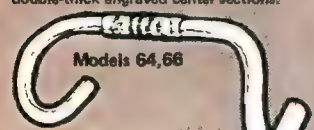
CI-1R-X \$29.40



CI-1A-X \$19.50

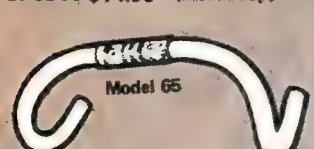
Model 1/A Stem, a top quality pearl finish alloy stem. Flush Allen binding bolts. 6mm Diameter: 22.2mm. Specify Extension (sometimes supplied 1/2 size larger: 70, 80, 90, 100, 110, 120, 130, 140mm)

Satin Anodized Alloy Handlebars, with double-thick engraved center sections.



Models 64, 66

Model 64, engraved "Cinelli" Widths: 38 or 40cm
CI-64-X \$14.90 (Least Drop)
Model 66, engraved "Cinelli" Widths: 38, 40 or 42cm
CI-66-X \$14.90 (Most Drop)

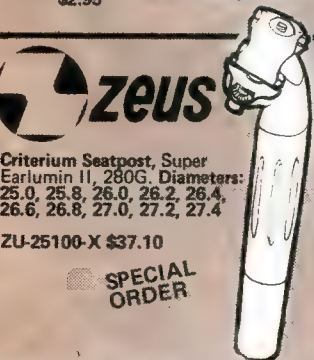


Model 65

Model 65, track style is engraved "Cinelli" Narrow center section and immediate forward reach. Specify Width: 38 or 40cm.

CI-65-X \$14.90

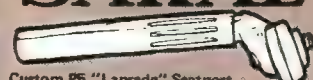
Cinelli Cap, 100% cotton. White w/ multi-color logo & world Champion stripes. CI-CAP \$2.95



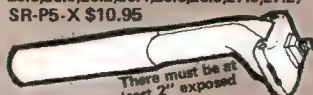
Criterion Seatpost, Super Earlumin II, 280G. Diameters: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4

ZU-25100-X \$37.10

SPECIAL ORDER

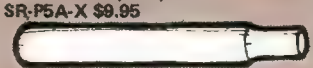


Custom P5 "Laprade" Seatpost, melt-forged high-strength light alloy pillar, bracket & supporter. Adjustment by a single bolt from below. Piller Length: 220mm, 270G. Diameters: 25.0, 25.4, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2. SR-P5-X \$10.95

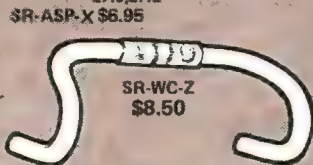


There must be at least 2" exposed

Custom P5A Aero Seatpost, melt-forged high-strength light alloy pillar, bracket and supporter. Adjustment and fixing by a single bolt from below. Aerodynamic style. Length: 190mm/250G. Diameters: 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2. SR-P5A-X \$9.95

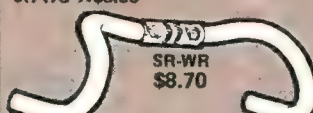


ASP Seat Pillar, melt-forged high-strength rustless light alloy. Length: 230mm. Diameters: 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2. SR-ASP-X \$6.95



SR-WC-Z \$8.50

World Custom Handlebar, light alloy, anodized finish. Double tube center section. Diameter: 23.8mm, Reach: 96mm. Specify Width: 370mm/145mm drop/Weight: 305G. 390mm/145mm drop/Weight: 305G. 420mm/160mm drop/Weight: 310G. SR-WC-X \$8.50



SR-WR \$8.70

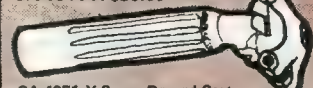
World Randonneur Handlebar, light alloy, satin finish. Double tube center section. Engraved. Diameter: 23.8mm, Drop: 120mm, Width: 420mm, Reach: 97mm, Weight: 305G. SR-WR \$8.70



All-Rounder Handlebar, light alloy. Often used as rear tandem bars. 32mm center. Diameter: 22.2mm, Raised: 45mm, Width: 505mm, Weight: 180G. SR-AR \$7.50



CA-1044-X Nuovo Record Seatpost, fluted, wide cradle, 204G. Specify Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm. CA-1044-X \$33.89



CA-4051-X Super Record Seatpost, fluted, wide cradle, 204G. Specify Diameter: 25.0, 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2, 27.4mm. CA-4051-X \$49.95

SR-AE-X

Aerox Stem, forged Super Duralumin, anodized finish. Cr-Mo steel 6mm expander bolt & binder bolt. Top class racing model. Diameter: 22.2mm. Specify Extension: 85mm/135mm/270G., \$13.50. 95mm/135mm/280G., \$13.90. 105mm/135mm/290G., \$14.40. 115mm/135mm/300G., \$14.90

Swan Stem, for those who prefer a shorter reach. Melt-forged light alloy. Extension: 50mm. Length: 230mm. Specify Diameter: 22.2mm or .833. SR-SS-X \$9.50

SR-RY-X

Royal II Stem, forged Super Duralumin. Anodized finish. Allen head expander and binder bolts. Cr-Mo steel 6mm bolts. Specify Diameter: 22.0mm, 22.2mm, .833".

70mm/135mm/250G., \$11.40. 90mm/135mm/270G., \$11.90. 110mm/135mm/290G., \$12.40. 130mm/135mm/310G., \$12.90

SR-AX-X

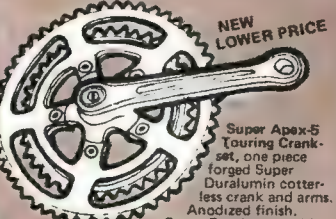
Apex Stem, forged Super Duralumin. Anodized finish. Diameter: 22.2mm (Some sizes also available in .833" - Please Specify). Specify Extension: 60mm/180mm/330G., \$9.50. 80mm/150mm/340G., \$9.90. 100mm/150mm/340G., \$10.40

Silstar 100AL

Pedal, quill-type. Melt-forged light alloy body. Alloy plates. Screw dust cap. Width: 61mm. Weight: 345G. Silver 9/16" Eng. or Fr. SR-100AL-X \$12.80 pr.

SR-100BL Pedal, Black, Eng., \$13.80 pr. SR-200BL Track, Black, English, \$13.80 pr.

NEW LOWER PRICE



Super Apex-5 Touring Crankset, one piece forged Super Duralumin cotterless crank and arms. Anodized finish. Super Duralumin cold rolled chainrings. 170mm arms. 68mm BB. Approx. 600G. Specify: Eng., Fr. or Italian. Specify: 28x38T, 32x52T, 42x52T, 38x50T. SR-A5-X \$44.70

Super Apex 5 Triple Touring Crankset, 68mm BB. 170mm crank arms. 34 x 42 x 52T. Specify: English, French or Italian. SR-A5T-X \$48.30

Super Apex 5 Chainrings, Super Duralumin. Specify: 28, 30, 32, 34, 36, 38, 39, 40, 42, 44, 46, 48, 50, 52, 54T. SR-A5C-X \$8.90 each

Crank Arms, includes bolts, dust cover. SR-RA Right Arm, \$28.50. SR-LA Left Arm, \$24.50

Cotterless Crank Fixer & Extractor, 99G. SR-CE \$5.25



Super Apex Bottom Bracket Set, DOUBLE Chrome-moly steel. 119.0mm length. Specify: English/68mm, French/68mm, Italian/70mm. SR-ABD-X \$9.20

Super Apex Bottom Bracket Set, TRIPLE, 121.5mm length. Specify: English/68mm, French/68mm, Italian/70mm. SR-ABT-X \$9.70

seatpost length

(Allow 2" inside seat tube)

Model	Inches	MM
Sakae		
Laprade P5	8 1/2	220
Campy		
Nuovo Record	8 1/2	210
Super Record	8 1/2	210



Seat Post Diameters (Sizes vary from bike to bike)

	English	Butted	Straight	Italian	Butted	French	Butted	Straight
	27, 27.2	26.2, 26.8	26.8, 27, 27.2	25, 26.2	26.6, 26.8	26.2, 26.4		

All Columbus Tubing Frames take a 27.2 Seatpost.

Seat Post size to use-by seat tube opening

MM / Decimal / Fraction	MM / Decimal / Fraction
25.0 .9843 63/64	26.8 1.0551 1-1/16
25.8 1.0157 1-1/64	27.0 1.0629 1-1/8
26.0 1.0236 1-1/32	27.2 1.0708 1-5/16
26.2 1.0315 1-1/16	27.4 1.0787 1-1/4
26.4 1.0394 1-3/16	
26.6 1.0472 1-3/8	

A cut piece from your existing post would help.

sizing info

Stem Extension: To determine the proper extension you must first locate your correct saddle position.

Saddle Height: Sitting on the saddle with one foot in a toe clip at the bottom of its stroke - your knee should be just slightly bent.

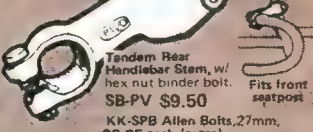
Saddle Position: (Forward to rearward) Again sitting on the saddle with one foot in the toe clip - this time with one pedal in the forward 9:00 position. A line perpendicular to the road should run through the pedal axle and the joint in your knee. Move your saddle forward or back till this is so.

Stem Size: Now place the back of your elbow against the front of your seat. With your arm and hand extended your fingertips should just fall behind your bar.

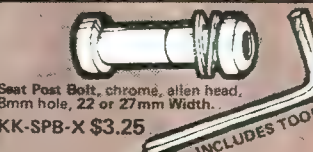
Inch to MM Sizes from stem bolt center to Bar center are as follows:

INCHES	center to center	MM (cm-remove 1)
2 3/8	60	70
2 3/4	65	75
2 7/8	70	80
3 1/8	75	85
3 1/2	80	90
3 5/8	90	100
4 1/8	100	110
4 3/8	110	120
4 1/2	120	130
4 5/8	130	140

PIVO

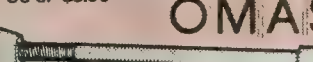


Tandem Rear Handlebar Stem, w/ hex nut binder bolt. SB-PV \$9.50. KK-SPB Allen Bolts, 27mm, \$3.25 each (extra)



Seat Post Bolt, chrome, allen head, 8mm hole, 22 or 27mm Width. KK-SPB-X \$3.25. INCLUDES TOOL

Seatpost Bolt, heat-treated aluminum. 5mm hex size, 8mm diameter, 2.5G. Black. OS-SP \$3.90



Stem Binder Bolt, heat-treated aluminum. Supertight, 25G. Black. OS-BB \$4.80

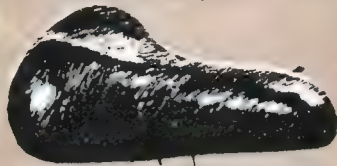


Mens Model I Saddle, features a softer nylon shell and a thicker, softer (less-dense) polyurethane padding. This is an ideal design for the beginner & intermediate cyclists. Smooth Black.

AV-M1 Mens Model 1, \$19.80

Mens Model II Saddle, designed for the more experienced racer or tourist who desires a firmer nylon shell and pad for optimum efficiency during extended riding. Smooth Black.

AV-M2 Mens Model 2, \$23.96



Avocet has taken into account the differences in width and construction between the mens pelvic structure and the womens, by designing Model I & Model II Saddles specifically for women. They feature a broader nylon shell and a repositioning of the saddles' molded anatomic pads. Both models are Smooth Black.

AV-W1 Womens Model 1, \$19.80

AV-W2 Womens Model 2, \$26.80



Model III Racing Saddle, because racing cyclists distribute their bodyweight more evenly over the entire bicycle, this minimizes the pressure put on the saddle form and pelvic structure. This permits a significant reduction in supportive shell area and coordinative, molded anatomic padding (the padded bumps are missing from the racing saddles). Lightweight aluminum alloy seat rail.

AV-R3 Racing Model 3, \$36.80

BROOKS
ENGLAND



Brooks Team Pro Saddle, a classic English saddle. Extra-tough leather. Extra-large copper rivets. Chrome steel cage. 540G. Black. BR-TP \$36.88



Model B72, wider for extra comfort. Coil springs. Not for use with Campy type posts.

BR-72 \$28.80

Brooks Proofide Leather Dressing, for use on smooth leather (not for suede or cowhide). Conditions, preserves, waterproofs, restores. 2 oz. can

BR-P \$2.90



Cyclepro
TOURING SADDLE



NEW Touring Saddle, an orthopedically-designed saddle especially for touring. A touring cyclist generally rides in a more upright position than does a racer, so there is more pressure applied to the pelvic region by the body weight on the saddle. To remedy this, the Touring Saddle has a nylon shell designed to better fit the pelvic area, then, extra padding has been added to the specific pressure points. The Woman's Model is slightly wider than the Men's Model. Both models are available in either Black Smooth Leather or Made in Italy, Black Suede Leather.

Men's Black Smooth - CP-TSM \$17.50

Women's Black Smooth - CP-TSW \$17.50

Men's Black Suede - BW - CP-TSS \$17.50



Buffalo Hide Saddle, hand finished. RILSAN seat structure for resistance against stain, unalterable & undeformable in weather changes. Anatomically shaped padding in closed cell foam rubber. Imprinted entirely with the Cinelli "C" Specify Color: Off-White or Black. CI-S-X \$31.90

Sheepskin Saddle Cover, extra-thick super comfortable genuine fleece. Protects against sticking and chafing. Elastic edging for a snug fit.

2 Sizes: Pro-type or Wide/Ladies



CD-SC Pro-type, \$9.50
CD-LSC Ladies/Wide, \$9.50



bike
warehouse

Seat Cover, Urethane-coated nylon with elastic closure. Protect your saddle from the elements & keep your rear end dry. Universal sizing. Yellow. BW-SC \$2.50, 10/\$21.90



SUPER COMFORT REAL FLEECE

Sheepskin Seat Cover, over 1" thick fur fleece. Allows air circulation and helps prevent chafing and sticking. Finished elastic edge keeps cover in place. Color: Natural

2 Sizes: SC fits Pro-type saddles
LSC fits Wide & Ladies saddles
SL-SC Pro-type, \$9.50
SL-LSC Ladies/Wide, \$9.50

concor
ITALY



Concor Saddle, a revolutionary design in a saddle that is coming into prominence on the European racing scene. Lightweight and minimal bulk. A very comfortable & efficient saddle. Molded nylon shell with real leather cover. Magnesium alloy rails.

CC-SM Black Smooth, \$22.50

CC-SX Black Suede, \$22.50

energy tips

A person exercising hard burns 300 to 600 calories per hour, or 2.8 calories per pound of body weight. To avoid fatigue, it is best that this energy be stored in the body by conditioning for several months, or replenished from eating while riding, or both.

Natural carbohydrates, such as fruits, nuts, grains, and sugar, are most quickly converted into energy. Meats, dairy products and vegetables are essential for a balanced diet, but are harder to digest. These foods should not be eaten immediately before or during competition because digestion uses up energy needed for muscular activity.

When traveling two hours or more, we suggest that the average cyclist eat and drink each hour with "lunch" in the middle of the ride. If you wait until fatigued or dehydrated, you will be too fatigued to replenish your energy needs. We suggest you carry plain water and powdered gatorade. Mix gatorade by the waterbottle full as desired.

Gatorade

THIRST QUENCHER

Powdered. 5% glucose mixture containing sodium, potassium chloride, and phosphate. 8 oz. per package makes 1 gallon. Use 3 tsp per 8 oz. cup/3 tpb. per waterbottle.

GA-O Orange or GA-L Lemon-Lime
1 Pack/\$1.25, 5/\$5.00, 10/\$9.50



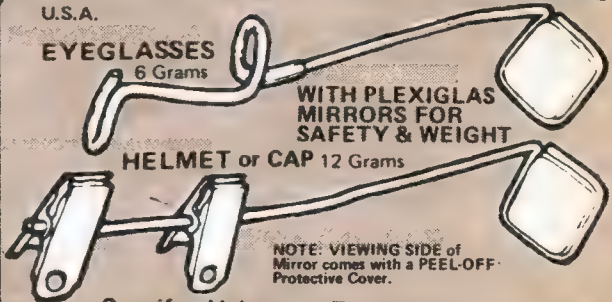
SPECIAL PROGRAMS AVAILABLE FOR BIG RIDES

U.S.A.

EYEGLASSES
6 Grams

WITH PLEXIGLAS MIRRORS FOR SAFETY & WEIGHT

HELMET or CAP 12 Grams



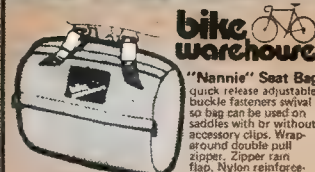
NOTE: VIEWING SIDE of Mirror comes with a PEEL-OFF Protective Cover.

Specify: Helmet or Eyeglasses.

BN-HM for Helmets, 1/\$3.75, 10/\$32.50

BN-EM for Eyeglasses, 1/\$3.75, 10/\$32.50

bike
warehouse

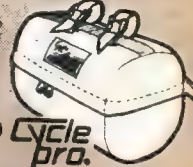


Bag Weight 7 oz
Capacity: 300 cu.in.
Colors: Orange, Blue, Silver

"Nannie" Seat Bag, quick release adjustable buckle fasteners. Nannie's bag can be used on saddles with or without accessory clips. Wrap-around double pull zipper. Zipper rain flap. Nylon reinforcement strap. Instructions are included for mounting.

BW-N-X \$5.90

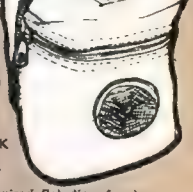
Deluxe Seat Bag, water-resistant 420-D Nylon. Double zipper compartment. Reinforced webbing. Capacity: 270 cu.in. Colors: Blue w/black trim Red w/black trim Black w/black trim CP-SB-X \$7.70



RHODE
GEAR

Saddle Pack, a sleek wedge-shaped pack designed for efficient positioning under the saddle while providing ample leg clearance. Urethane coated Rhodura nylon. Wide YKK zipper. 3-point fastening for no-sway stability. No seat clips required. Poly liner for shape. Includes reflector. Capacity: 135 cu.in. Weight: 3 oz. Colors: Wine Red or Silver Grey

RH-SP-X
\$9.31



Seat Bag

This larger capacity seat pack has swivel straps to mount on seats with or without eyelets. Double zipper opens across top and down sides. 8oz. Cordura, 8lb. limit. Capacity: 300 cu.in., Weight: 7 oz. Blue, Red, Silver or Black

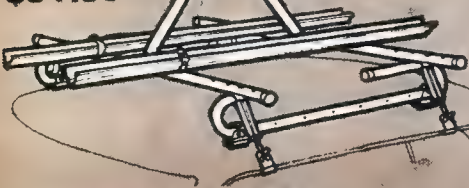
CD-BO31-X \$12.90



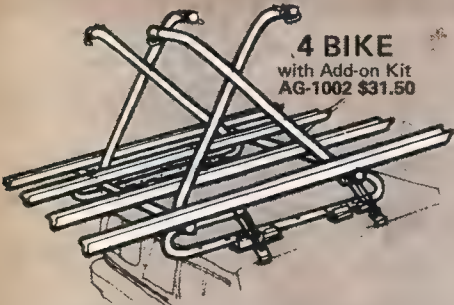
Convert-A-Porter

2 BIKE
MODEL
AG-1001
\$51.50

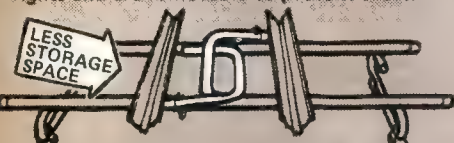
ARMS NOW
FOLD DOWN



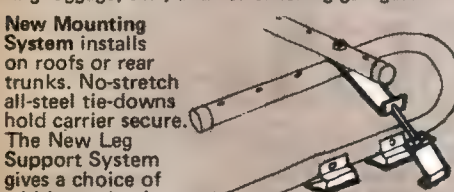
4 BIKE
with Add-on Kit
AG-1002 \$31.50



Convert-A-Porter, the redesigned Bike Porter is today's finest and most versatile carrier. Easy loading and unloading. Vinyl-coated quick Clamps secure bike to uprights and are removable to prevent theft.



Fold-Down Upright Arms facilitate carrying luggage, etc., and for entering garages.



New Mounting System installs on roofs or rear trunks. No-stretch all-steel tie-downs hold carrier secure. The New Leg Support System gives a choice of width-spacing in order to place the large rubber padded legs over the stronger support section of the car. The legs can also be length-adjusted to fit shorter trunks. (4 Bike Model has 4 extra Padded Legs).



Bikes ride cushioned by their own tires in the New Wheel Channels with their slip-down design to grip both narrow and wide tires. The channels also have adjustable Slide Wheel Securing Straps permanently mounted to the tracks to accommodate any size wheelbase.

AG-1001 Two-Bike Model, 22 lbs., \$51.50
AG-1002 Four-Bike Add-on Kit, 10 lb., \$31.50
AG-ET Extra Track Sections, \$12.95 ea.
AG-GM Gutter-Mount Option, no rubber pads, only for cars with gutters, \$13.50

ALL PARTS AVAILABLE

BIKE-PORTER

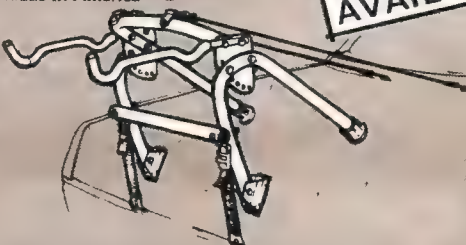


Made in America

Meets National
Highway Traffic
Safety Admin.
Standards

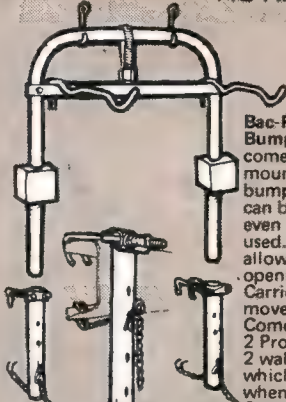
AMERICA'S BEST
"NO-SCRATCH"
"EASY-LOAD"
RACKS

ALL PARTS
AVAILABLE



Adjust-A-Porter III, the best of the trunk-mounted carriers is now improved. The solid steel vinyl-coated arms are formed to protect & nest each bike in one confined spot. Exclusive adjusting plate allows quick leveling of support arms. Arms can be adjusted to a level position on any type car trunk. Newly designed "Big-Foot" adjustable rubber feet spread the carrier load over 20 times more car surface to resist surface denting. Components are pre-assembled for easy installation.

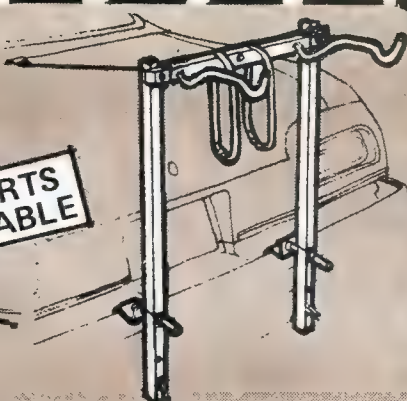
AG-AP3 \$24.90



Bac-Rac-Plus III Bumper Carrier, comes with flush-mounted universal bumper brackets which can be left on the car even when not being used. Flush design allows clearance for opening trunk lid. Carrier is quickly removed from brackets. Comes complete with 2 Protect-O-Pads and 2 wall storage hooks on which to hang carrier when not in use.

Carrier can double as a wall hanger for 2 bikes. Plastic-coated arms fold away when bikes are not loaded. Made of 1 1/8" plated tubular steel. Comes pre-assembled.

AG-BR3 \$21.90



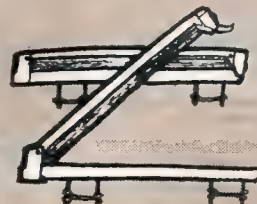
"QUICK-RELEASE" Carrier-Heavy-duty square tubular steel, double protective zinc-chromate & clear lacquer finish. Universal bumper fittings attach easily to most cars. Pre-assembled crossbar/hanger arm system means time-saving 2 bolt assembly. "Instant Release" base frame lifts off for easy storage. Posts remain in position for quick remounting. Includes tie-down and stabilizer straps.

AG-1074 \$14.90



Protect-O-Pads, made of a square protective pad of thick, resilient, spongy urethane. A built-in "snap-on-slot" locks onto handlebars, frames, pedals, etc. to keep it from contacting other surfaces. Can also be used on car roof as carrier pads for hauling ladder, poles etc. Eliminates need for blanket padding. Comes 4 to a package.

AG-PP \$3.50 set



NEW Ski Rack Kit, is easily added to the "Convert-A-Porter" carrier and is capable of carrying 2 pairs of skis. 2 Ski Kits can be added to the 4-Bike model for a carrying capacity of 4 pairs of skis. 5 lbs.

AG-2001 Ski Rack Kit, \$32.50 pr.

gearing for efficiency

Rear Sprocket Teeth	Number of chainwheel teeth (Front)																			
	30	32	34	36	38	40	42	44	45	46	47	48	49	50	52	53	54	55	56	
13	62.3	66.4	70.6	74.7	78.9	83.1	87.2	91.4	93.4	95.5	97.6	99.7	101.8	103.9	106.0	110.0	112.1	114.2	116.3	
14	57.8	61.7	65.5	69.3	73.2	77.1	81.0	84.9	86.7	88.7	90.6	92.6	94.5	96.4	100.3	102.2	104.1	106.0	108.0	
15	54.0	57.6	61.1	64.8	68.4	72.0	75.6	79.2	81.0	82.8	84.6	86.4	88.2	90.0	93.6	95.4	97.2	99.0	100.8	
16	50.6	54.0	57.2	60.3	64.1	67.5	70.9	74.3	76.0	77.6	79.3	81.0	82.7	84.4	87.8	89.4	91.1	92.8	94.5	
17	47.6	50.8	54.0	57.2	60.3	62.5	66.7	69.9	71.5	73.1	74.6	76.2	77.8	79.4	82.6	84.1	85.7	87.3	88.9	
18	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	67.5	69.0	70.5	72.0	73.5	75.0	78.0	79.5	81.0	82.5	84.0	
19	42.6	45.5	48.2	51.1	54.0	56.8	59.7	62.5	64.0	65.4	66.8	68.2	69.6	71.1	73.9	75.3	76.7	78.1	79.5	
20	40.5	43.2	45.9	48.7	51.3	54.0	56.7	59.4	60.8	62.1	63.4	64.8	66.2	67.5	70.2	71.5	72.9	74.3	75.6	
21	38.6	41.1	43.7	46.4	48.9	51.4	54.0	56.6	57.9	59.1	60.4	61.7	63.0	64.3	66.9	68.1	69.4	70.7	72.0	
22	36.8	39.2	41.6	44.2	46.6	49.1	51.5	54.0	55.2	56.5	57.6	58.9	60.1	61.4	63.8	65.0	66.2	67.5	68.7	
23	35.2	37.5	39.8	42.4	44.6	47.0	49.3	51.6	52.8	54.0	55.2	56.3	57.5	58.7	61.0	62.2	63.6	64.5	65.7	
24	33.7	36.0	38.2	40.5	42.8	45.0	47.3	49.5	50.7	51.8	52.9	54.0	55.1	56.3	58.6	59.6	60.7	61.8	63.0	
25	32.4	34.6	36.7	38.9	41.0	43.2	45.4	47.5	48.6	49.7	50.8	51.8	52.9	54.0	56.2	57.2	58.3	59.4	60.4	
26	31.2	33.2	35.3	37.4	39.5	41.5	43.6	45.7	46.7	47.8	48.8	49.9	50.9	51.9	54.0	55.0	56.0	57.1	58.1	
27	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	45.0	46.0	47.0	48.0	49.0	50.0	52.0	53.0	54.0	55.0	56.0	
28	28.9	30.8	32.8	34.8	36.8	38.8	40.5	42.4	43.4	44.4	45.3	46.3	47.2	48.2	50.1	51.1	52.0	53.0	54.0	
29	28.0	29.8	31.6	33.5	35.4	37.2	39.0	41.0	41.9	42.8	43.8	44.7	45.6	46.5	48.4	49.4	50.3	51.2	52.1	
30	27.0	28.8	30.6	32.4	34.2	36.0	37.8	39.6	40.5	41.4	42.3	43.2	44.1	45.0	46.8	47.7	48.6	49.5	50.4	
31	26.2	27.9	29.6	31.4	33.1	34.8	36.6	38.3	39.2	40.1	41.0	41.8	42.6	43.5	45.2	46.2	47.0	47.8	48.8	
32	25.3	27.0	28.7	30.4	32.1	33.7	35.4	37.2	38.0	38.8	39.7	40.5	41.4	42.2	43.9	44.7	45.5	46.4	47.3	
33	24.6	26.2	27.8	29.5	31.1	32.7	34.4	36.0	36.8	37.6	38.5	39.3	40.1	40.9	42.6	43.4	44.2	45.0	45.9	
34	23.8	25.4	27.0	28.6	30.2	31.8	33.3	35.0	35.7	36.5	37.4	38.1	38.9	39.7	41.3	42.1	42.9	43.6	44.5	

Gear Chart - 27" Wheels

For optimum performance you should obtain a range of final drive ratios with as little overlap as possible. In other words, if you have a ten speed bike, you should have 10 different gear ratios available. All too often, bikers choose freewheel assemblies at random, without researching to find out what effects this assembly will provide. With the aid of the Gearing Chart, you will be able to intelligently match the proper sequence of sprocket teeth to chainwheels. Why waste shifting to the next gear just to find out that there's no appreciable difference in pedaling effort? Remember, in individual preference plays an important part in choosing gear sizes. Racers generally like a close range of gears, while tourists prefer a wide range. Look at the chart - say you have a 42/52 tooth chainwheel setup. Find these two numbers at the top of the chart. Now suppose you already have a 14, 17, 21, 26, 32 freewheel assembly. Find these sizes in the extreme left vertical column. Simply cross-reference the chainwheel sizes and the sprocket sizes. If any ratios under the 42-tooth chainwheel column match or come very close to those under the 52-tooth chainwheel column, then you are definitely wasting available gears.

Let's use the combination we just mentioned as an example. Under the 42-tooth column, we find gear ratios of 31.0, 36.7, 44.0, 43.6, and 36.4. Under the 52-tooth column, we have 100.3, 82.6, 66.3, 54.0 and 43.9. There is an obvious amount of overlap here. Critical tailoring can be accomplished by changing sprockets. Example: discard the 17, 21, and 32-tooth sprockets, replacing them with 16, 18, and 34-tooth cogs. This layout will provide 10 useable gears. Another less exacting method would be to change one of the chainwheels. A 44-tooth chainwheel in place of the 42-tooth chainwheel for example, would provide a full 10 speeds. (We recommend changing cogs as a more precise and generally more economical method of gearing modification.)

"No Wait" Ordering (216)542-3671 • Toll Free 1-800-321-2474

"I think the Bike Warehouse is one of the greatest places to buy bike parts and accessories," R.W.

rims

NOTE: We recommend using Tresse Ford Rim Strip on ALL narrow clincher rims.

NOW MADE BY WOLBER

**SUPER
COMPETITION
CHAMPION**

clincher
rim TYPE 58



Super Champion Clincher Rim, 16mm inside width. Use with wide tires. Schrader valve hole. 36 Hole. Specify: 27" (530G) or 700c (560G).

WO-SCC-X \$12.75 ea., \$21.95 pr.



New Super Champion "Gentlemen" Clincher Rims, 20mm wide. 27" (485.2G) or 700c (482.2G), silver, 36H. Presta Valve Hole

WO-SCG-X \$12.80 ea., \$22.80 pr.



Record du Monde Tubular Rim, for light road and Criterium. Silver, 36H. Width: 19.5. Weight: 310G, 700C.

WO-SCR \$13.25 ea., \$24.10 pr.



Arc-en-ciel Tubular Rim. Smooth-sided. An excellent all-purpose road rim with strength to spare. 330G.

WO-SCA \$12.50 ea., \$24.10 pr.

RIGIDA



Rigida 13mm Clincher Rim, the same width as tubulars so there is no brake adjustment necessary at all when switching back and forth. Works great with the "W20", Elan TS, and Roadlite Z. Only 13mm inside width, double width, double wall construction for strength and the tube support.

Specify: 700c/430G. (Same as tubulars) 27"/430G.

Great when used with Wolber "20" 700c RI-1320-X \$12.50 ea., \$22.55 pr.



RIGI-ALU Clincher Rim an alloy clincher with eyelets. 36H.

Specify: 27" (520G) or 700c (540G)
RI-RA-X \$11.50 ea., \$21.95 pr.

**FIAMME
red label**

Fiamme Red Label Tubular Rim, 360G., 21mm wide, 36H, highly polished.

FI-R \$12.75 ea., \$22.95 pr.

Fiamme Gold Label Ergal Tubular Rim, super strong, superlight "Ergal" composition, 290G., 20.4mm wide, satin finish, 28, 32, 36H.

FI-E-X \$18.90 ea., \$34.02 pr.



AMBROSIO



Tubular Rims, special alloy. Unusual dull grey finish due to heat treatment. 36H standard.

CA-AM-X Montreal (350G.) \$39.95 pr.

CA-AS-X Synthesis (400G.) \$59.70 pr.

28Hole or 32Hole are SPECIAL ORDERED

NEW AMBROSIO CLINCHER RIMS, heat-treated. 410G. 36 Hole. Dull Grey finish. Specify: 27 x 1 or 700 x 25. CA-AC-X \$41.90 pr.

ARAYA

Call for Availability

AERODYNAMIC

Clincher Rims,

light alloy. Weight:

510G (27 x 1")

500G (700c x 25c)

Black anodized.

Specify: 32 or 36H.

Specify: 27" or 700c

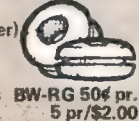
AY-ADC-X \$59.25 pr.



AERODYNAMIC TUBULAR RIM, hardened heat-treated aluminum. 300G. Specify: 32, 36 Hole
AY-ADT-X \$59.95 pr.

RIM GROMMETS

Now adapt your Schrader holed (clincher) rims to take the more efficient Presta valved tubes. Makes the hole smaller preventing cuts in the stem and tube.



BW-RG 50¢ pr.
5 pr/\$2.00

TUBULAR

VELOX

VE-C76

Competition 76 Rim Tape. 100% cotton. New quality permits a more efficient and longer-lasting adhesion. Tape is separated by a waxed paper lining-strip, thus avoiding sticky hands and making for easier application. No need to refrigerate before use. \$2.25 roll (enough to do 1 pr.) 10 rolls/\$18.50



TUBULAR

rim cement



Top-Quality Clement Sew-up Rim Glue.
TO-RC \$1.40
10/\$12.90

USING RIM CEMENT

- 1) Clean surface of rim thoroughly
- 2) Apply glue evenly to tire surface of rim, using half of tube content per rim
- 3) Let glue dry for at least 15 minutes
- 4) Mount tubular on rim & pump up tire until hard. Before installing wheel on bike make certain tire is securely glued to rim



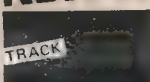
Tubular Rim Glue Remover, most cements are removed from rims in less than 10 minutes. Lower in toxicity. Removes decals in seconds. Removes tar from bicycle frames-harmless to most paints. Cleans rims and spokes-harmless to tires. Use paper towels for cleaning. Rated non-flammable. Comes with brush in the cap.

PC-GR \$3.75

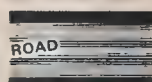
tubular

NOTE: Once a tubular has been glued on or ridden it cannot be returned for credit. We recommend inflating the tire for a day BEFORE gluing & mounting to insure against defects or leaks. We cannot be held responsible for damage resulting from faulty mounting. NOTE: Latex does not hold air as long as Butyl.

NEW WOLBER



Record 18 Piste, for high performance track use. 18.5mm, 185G. Latex tube, Super fine file tread.



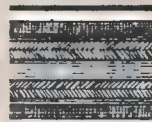
Record Route, for time trials. Best road performance. 18.5mm, 185G. Latex tube. Super fine rib tread.

Specify: Track or Road WO-18-X \$30.40 EA.

NATIONAL



230G



270G, 300G, 350G

National Tubular Tires, butyl tube, nylon casing. Specify: 230, 270, 300, 350G.

CP-NT-X 230G., \$13.60 ea.
270G., \$12.50 ea.
300G., \$12.10 ea.
350G., \$11.90 ea.

Clement
AGED 1 YEAR



Super Condor, cotton casing. Butylized latex tube helps prevent leaking. Vulcanized. 26mm width. Weight: 270G. File tread. Popular racing tubular.

CL-SC \$10.50 ea.



Campionato del Mondo, standard silk casing fabric. Latex tube. Cold-processed mold. 27mm width. Rib tread. Weight: 280G. A best-seller silk tubular.

CL-CM \$31.90 ea.



Criterium Seta, cotton casing fabric. Latex tube. Cold-processed mold. 25mm width. NEW lower weight: 250G. Chevron tread. A good road racer.

CL-12 \$29.50 ea.



Paris-Roubaix Art. 13b, standard silk casing fabric. Latex tube. Cold-processed mold. 25mm width. Weight: 270G. Chevron tread. Popular road racer.

CL-PR \$35.50 ea.



Futura INVULNERABLE, one of the most flat-resistant tubulars you'll find because of a new puncture-proof casing material. Butyl tube. 290G. Herringbone tread.

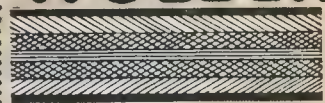
CL-FI \$21.90 ea.



TUBULAR REPAIR KIT No. 5, complete repair kit for sew-up tire in a compact metal box. We suggest you keep a single-edge razor blade in the kit to cut threads.

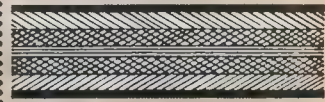
VE-N5 \$1.50 ea.
10/\$13.00

WOLBER



Leader, our most popular. The fabric is made of the same fine Egyptian cotton thread used in the handmade types. The rib/mixed tread is supported by an elastic rubber strip. Fitted with extra-lite pure gum tube. 270G. Small 24mm section, translucent sidewalls.

WO-L \$15.10 ea., \$29.90 pr.



Team Corsa, molded tubular is easy to fold for a spare. Butyl tube holds pressure for long periods. A good training tire. 270G. Rib center w/mixed outer tread.

WO-TC \$12.90 ea., \$24.20 pr.



Touresta Renforce, great for year-round hard use. File tread, butyl tube. 370G.

WO-TR \$14.10 ea., \$26.79 pr.



Neo Pro, vulcanized tubular with the advantages (weight, responsiveness) of a high-priced handmade tubular. 252G. 22mm section.

WO-NP \$16.40 ea., \$30.90 pr.



A stainless-steel wire mesh under the tread deflects material like glass, nails, stones. Cotton sidewalls, latex tube. Rib center with mixed outer tread. 280G.

WO-IT \$18.90 ea., \$36.86 pr.

hutchinson
hutchinson - gommitalia spa



Sprint Anticrevasion, for touring. Self-sealing, heavy duty butyl tube. Pure cotton body, replaceable valve. 23mm. 330G. 85/100 P.S.I.

HT-SA \$15.50 ea., \$29.80 pr.



Supersprint 280, touring & training. Butylite tube. Pure cotton body. 23mm. 280G. 85/100 P.S.I.

HT-SB \$13.50 ea., \$24.90 pr.



GTX 80 Corsa, semi-pro racing. Latex tube is lighter & holds air longer than butyl. Fine cotton body. Replaceable valve. 23mm. 260G. 85/100 P.S.I.

HT-GL \$17.50 ea., \$33.90 pr.



Cross TR, cross-country training and racing. Butylite tube. Pure cotton body. Replaceable valve. 26mm. 350G. 85/100 P.S.I.

HT-TR \$14.50 ea., \$26.10 pr.

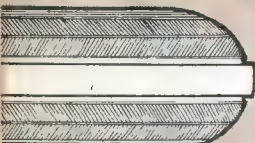


Valve Replacements-HT-VR 90¢ ea.

clinchers & tubes

SPECIALIZED

SEE PAGE 30 FOR CLINCHER/RIM COMPATABILITY CHART



TOURING II Tire, high performance design places your weight directly over a raised center ridge which serves as a tough mileage band to reduce rolling friction, extend tread life & direct more energy into forward motion. The combined center ridge, herringbone tread & ribbed sidewalls offers responsive braking and cornering traction. 325G.

1 1/4" - 32c—Full-load touring
1 1/8" - 28c—Commuter/Tourist
1" - 25c—Centuries/Training
Sizes: 27x1, 27x1 1/8, 27x1 1/4,
700x25, 700x28, 700x32c

SB-TT-X \$7.80 ea.,
\$14.82 pr.

TOURING II Tire, lighter and more resilient through the use of a thinner premium nylon casing with a finer weave. Helps the tread conform to the road surface for increased confidence during high-speed cycling. 1 1/8" - 28c (290G)—Light-load touring, club rides, centuries; 1 1/4" - 28c (270G)—Fast performance training. 95PSI.

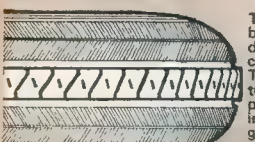
Sizes: 27x1, 27x1 1/8, 700x25c, 700x28c
SB-T2-X \$8.50 ea., \$16.15 pr.

ULTRALIGHT Tire, a most sophisticated wire bead tire w/ the finest weave premium casing for road-hugging resilience and minimum weight. Raised center ridge. Lightness gives exciting acceleration in sprints and climbs. 1" - 25c—For narrow rims only. 225G. 95PSI. Sizes: 27x1, 700x25c
SB-UL-X \$8.90 ea.,

TOURING TURBO Tire, for the tourist who wants the performance of tubulars without their maintenance and expense. Premium nylon casing for unsurpassed resilience. DuPont Kevlar fiber bead results in a lighter, simple-to-mount, straight-seating tire which allows on-the-rim repairs. This bead allows the tire to fold compactly-making it a perfect spare. Rib sidewalls provide extra grip in turns.

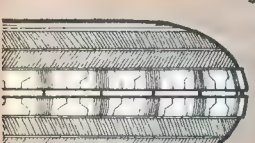
Raised center ridge cuts rolling resistance. 38PSI. 1 1/4" - 32c (280G)—Extended touring on mixed surfaces, 1 1/8" - 28c (260G)—Perfect for tandem touring. Sizes: 27x1 1/8, 27x1 1/4, 700x25c, 700x28c, 700x32c
SB-FTT-X \$12.80 ea.

TURBO/S Tire, offers the ultimate in clincher performance for racing and high-speed riding. Same Kevlar bead and premium nylon casing construction as the Touring Turbo. Withstands high pressures under load and stress. 100PSI. 195G. Folds for storage. Sizes: 27x1, 700x25c
SB-TU-X \$12.80 ea.



TOURING X Tire, can't be beat for all-round heavy duty use. Extra-tough nylon casing & heavy-duty tread. Thick center ridge is textured with a deep "Z" pattern for traction. Herringbone tread gives better gripping on rough or wet surfaces. Double casing top layer under the tread helps prevent punctures. A great tandem performer. 400G. 95PSI. Sizes: 27x1 1/4, 700x32c

SB-TX-X \$8.30 ea.,
\$16.10 pr.



COMMUTER Tire, offers durability & performance in the daily battle against city traffic. Tough nylon casing with beefy sidewall for durability & strength. Deep ribbed tread pattern for excellent lateral stability for confident maneuvering in heavy traffic. 500G. 85PSI. Sizes: 27x1 1/4, 26x1 3/8

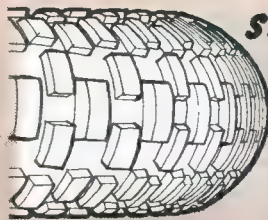
SB-C-X \$4.70 ea.,
\$8.93 pr.

EXPEDITION Tire, extra heavy-duty performer for tandems, expedition touring or rough dirt road riding. Heavy duty casing, very thick herringbone tread and raised center ridge with deep ribbed tread for extra traction. Deflating the tire slightly improves its shock absorbing characteristics and improves traction on rough dirt roads. 475G. 75PSI. Sizes: 27x1 3/8, 700x35c

SB-E-X \$8.95 ea., \$17.00 pr.

NEW TRI-CROSS Tire, rough dirt riding. Specify Sizes:

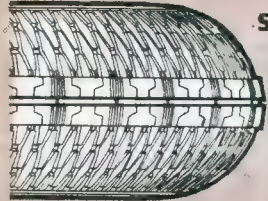
27x 1 3/8
700x 35c
26x 1.75
26x 2.125
27" & 700c use 1 1/4" & 30c rims



STUMPJUMPER

Mountain Tire, a true, high performance mountain and wilderness tire. Super quality nylon casing is extra-tough to resist bruising & strong enough to take high pressures for low friction rolling on pavement. A full profile for exceptional flotation under low pressures—this smooths out rough surfaces while protecting the rim.

For climbing, descending or lay-it-over cornering, this skin-side wrap-around knobby will do the job. 890G. 35-45PSI. For 26" wheel riders. Size: 26x2.125
SB-SJT \$14.90 ea., \$31.04 pr.



STREETSTOMPER

Dirt/Commuting Tire, its high strength/flotation characteristics make this an excellent multi-surface tire. Raised center ridge minimizes rolling resistance, & a heavily pebbled tread wraps around the sides for sure cornering. Premium quality nylon casing combines comfort with strength for high pressure street use. Now you can use your mountain bike for touring, commuting or just plain cruising. 750G. 35-45PSI. Size: 26 x 1.75

SB-SST \$14.90 ea., \$31.04 pr.

SPECIALIZED TUBES

for use with Stumpyjumper & Streetstomper Tires. Presta or Schrader
SB-PT Presta Valve Tube, fits 26x1.75 or 26x2.125 tires. \$2.80 ea., \$5.04 pr.
SB-ST Schrader Valve Tube, fits 26x1.75 or 26x2.125 tires \$2.80 ea., \$5.04 pr.

NEW SPECIALIZED LATEX TUBE, treated internally and externally with a special talc. Comes in an airtight bag. Fits Specialized tires from 25c to 32c. 60G. Presta.
SB-LT \$6.90

WOLBER

"W"20" Tire, the smallest and finest cotton cord clincher. Cotton is softer, which is needed in such a high-pressure tire. Only 3/4" (20mm section). Works great with 13mm rims. Only 340G. (Tire & Tube)
Sizes: 27" or 700c
WO-W2-X Tire only, \$7.90 ea., \$15.26 pr.
WO-2 Presta Tube, \$3.25 ea., \$5.90 pr.



"W"23" INVULNERABLE Tire, A STEEL RADIAL FOR YOUR BIKE. All the technology used in the Invulnerable Tubular combined with the responsiveness of the "W"20" clincher. Cotton cord. We highly recommend this tire for flat-free touring. 465G. 90PSI. Sizes: 27" or 700c
WO-23-X Tire only, \$10.90 ea., \$19.96 pr.
WO-23T Presta Tube, \$3.50 ea., \$5.96 pr.

NOTE: Use Rigide 13/20 or Super Champion Gentlemen Rims

NATIONAL

Touring Tire, designed for long life—perfect for the serious tourist. The special "S" groove provides better traction. Made of the finest materials, this gumwall lasts longer, has a lower rolling resistance and offers improved cornering and braking. Sizes: 27x1-310G/100PSI; 27x1 1/8-450G/100PSI; 27x1 1/4-470G/90PSI; 700x28c-406G/90PSI; 700x25c-305G/100PSI



CP-TT-X \$6.95 ea., \$13.10 pr.



MICHELIN

Michelin 50 Tire, Chevron tread, 480G. Size: 27x1 1/4 MI-50 \$5.10 ea., \$9.69 pr.

INNER TUBES



IN-SP Presta Tube, IN-SS Schrader Tube, fit 27x1" or 700x25c. \$3.25 ea., \$5.96 pr.
IN-MP Presta Tube, IN-MS Schrader Tube, fit 27x1 1/8 or 700x28c. \$2.85 ea., \$5.15 pr.
IN-LP Presta Tube, IN-LS Schrader Tube, fit 27x1 1/4 or 700x30c. \$2.75 ea., \$5.10 pr.
IN-T26 Schrader Tube, fits 26x1 3/8, \$2.60 ea., \$4.90 pr.

feather edge

Tube Patch Kit



*6 Feather-edge Tube Patches
*6 Cement Pellets (No tube to dry out)
*1 Thumb Buffer/Cement Pellet Cutter
BN-PK. 89¢ each



TIRE SAVERS

mount behind the brake and rub lightly on the tire, knocking debris off before it can puncture the tire. Use on sew-up or clinchers. Formed stainless steel with vinyl sound absorber.
CP-TS \$1.25 pr./\$9.11

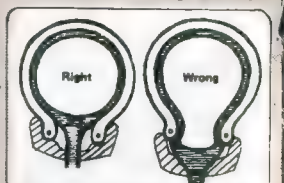
SPECIALIZED

3 Levers for less than the price of 2
ALUMINUM TIRE LEVERS
SB-TL \$2.20 Set of 3

Tire Levers, steel, set of 3
AFA TO-TL 80¢



rim strip
27 x 1 1/4 or 700 x 28c
CP-RS-X 45¢ each



When installing clincher tires, be sure tire is properly seated in the rim before pulling stem into place.

folding a clincher



Follow these five simple steps in properly folding a clincher tire for storage in seat pack or pannier.
1) Fold tire once in half (tire now forms a figure eight)
2) Fold one half inward, so that it meets the center of the first fold.
3) Draw the other loop in to match the two smaller loops you just made.
4) Draw these three loops together, equalizing them into one tight circle.
5) Bind the folded tire with tape.

VELOX



TUBULAR REPAIR KIT No. 5, complete repair kit for sew-up tire in a compact metal box. We suggest you keep a single-edge razor blade in the kit to cut threads.
VE-N5 \$1.50 ea. 10/\$13.00



FLAC KIT, complete kit to repair the inner tubes of your clincher tires. Comes with 6 patches.
VE-FK \$1.48 ea. 10/\$12.90



TRESSEFOND, Clincher Rim Strip, for narrow rims. Adhesive backed for easy installation. Recommended for all narrow clinchers. 2 Sizes: Type 51-Gentlemen, 13/20, Ambrosio Type 56-Rigide, Super Champion
VE-TF-X \$2.00 set 10/\$16.50

REMA



Clincher Patch Kit, w/ super-thin patches with tapered star edges, glue, and plastic case.
SB-RM \$1.25 ea. 10/\$11.00

CUSTOM WHEELS

Design your own custom-built wheels. Select any rims, spokes and hubs. Choose from Radial to Cross4 in any combination (i.e.- 3 Cross in front/4 Cross in rear. We will lace, true and pack your wheels in a special carton **3W-CBWL-X \$14.00 ea., \$28.00 pr.** Plus Cost of Individual Components

NOTE: Spokes are priced separate for Custom Wheels Only—

SB-3SE DT, S.Steel, 14G., 18¢ each
SB-SD15E DT, 15/16/15G., 25¢ each
OM-DBSE Monogram, 8¢ each

EXAMPLE. Run: Rigida 15 20	\$22.55
Spoke: DT 14g	\$12.96
Hub: Avocet Mod. I	\$44.59
Lace, True, Box	\$28.00
Front: 3 Cross	
Rear: 3 Cross	

1	\$108.10
	3.75
	<u>\$111.85</u>

**IMPORTANT: Specify HUB SIZE - Hub
Flange and Rear Hub (5 or 6 speed)
Advanced Money Order or Credit Card
only. NO SHIPMENTS TO CANADA**

Our Custom Wheels are professionally lac and trued to perfection for even spoke tension and roundness. Guaranteed to be delivered in perfect condition.

With Our Wheels--the hubs all read from the rear and the rims read from the right. We even countersink the spoke holes when required at no extra charge.

PLEASE NOTE: You can tell us your requirements (heavy-duty touring, club riding, racing, heavy rider (220lb), light rider (120lb), want super light or super strong), and we will choose the components and spoke pattern to best suit your needs.

Tires & Freewheels are NOT Installed
ALLOW 2 - 3 WEEKS

Name:		FRONT	REAR	PAIR
Rims :				
Spokes:				
Hubs :				
Lace, True and Box		\$14.00	\$14.00	\$28.00
Front	Rear			
Date: / /	TOTAL			

BUILT WHEELS

From BIKE NASHBAR

- *Rims and Hubs are light alloy to save weight
- *Hubs are quick-release to save time and trouble
- *We offer these wheels to save you money

SOLD IN PAIRS ONLY

PRO CLINCHER Built Wheel, Rigida 13 x 20 or Super Champion Gentlemen clincher rims (27" or 700c); SunTour VX S.F., Shimano 600 S.F. or Cyclopro hubs; and X4 Monogram spokes. Takes tires 1" or 1 1/8". Specify: 27" or 700c

BN-PCP-X \$72.90 pr.

TOURING CLINCHER Built Wheel, Super Champion or Rigida rims (27" only); SunTour Vx S.F., Shimano 600 S.F. or Cyclepro hubs; and X4 Monogram spokes. Takes tires 1 1/8" or 1 1/4".

BN-TCP \$70.90 pr.

TUBULAR Built Wheel, Super Champion Arc-en-ciel or Record du Mondo rims; SunTour VX S.F., Shimano 600 S.F. or Cyclepro hubs; and X3 Monogram spokes. **BN-TUP \$79.50 pr.**

BN-TUP \$79.50 pr.

NEW

FREEHUB CLINCHER Built Wheel, Rigid
13 x 20 or Super Champion Gentlemen rims
(27" or 700c); Shimano 600 EX Freehub,
6-spd, 13 x 28T; X4 Monogram spokes.
Specify: 27" or 700c

BN-FHW-X \$81.90 pr.

NEW

CAMPAGNOLO TUBULAR Built Wheel.
Super Champion Arc-en-ciel or Fiamme Red
Label rims; Campagnolo Nuovo Record S.F.
6-spd hubs, 36H.; X3 DT stainless 14 gauge
spokes.

BN-CW \$135.50 pr.

NO CHOICE ON HUBS OR RIMS. COMPONENTS
USED WILL DEPEND ON AVAILABLE SUPPLY.

NO SHIPPING TO CANADA

CLINCHER TIRE/RIM COMPATIBILITY

A: Recommended
B: Will Work
C: NOT Recommended

Specify 27" or 700C

Wolber W20	3/4"- 20C	A	C
Specialized Touring, Touring II		A	C
Specialized Turbo S		A	B
National CP-TT		A	C
Specialized Ultra-Light	1"- 25C	A	C
		A	B
Specialized Touring, Touring II		A	B
Specialized Touring Turbo		A	B
Wolber 23	1 1/8"- 28C	A	C
National CP-TT		A	B
SBI Touring, Commuter, Touring X		C	A
Michelin 50		C	A
National CP-TT	1 1/4" 30C	C	A

ALL TUBULAR TIRES FIT ALL TUBULAR RIMS



**IF YOU TELL US
THE RIMS, HUBS
& SPOKE PATTERN
YOU ARE USING,
WE WILL SELECT
THE RIGHT SPOKE
LENGTH FOR YOU**

**ROUND SPOKE
WRENCH**, fits 6
nipple sizes: 10,
12, 13, 14, 15, 16
gauge. Japan.

CP-BSW \$1.49

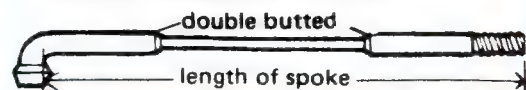


**Professional Spoke Wrenches,
Green-most European Spokes;
Red-for Japanese Spokes;
Black-DT & Monogram/Ohio
SPECIFY COLOR**

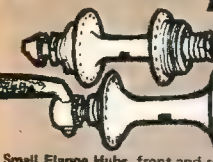
PT-SW-X \$3.80 each

SPOKE SIZING CHART

1" Rims		27"		700c	
Super Champion Gentleman Rigida 13/20 Ambrosio Clincher		X3	X4	X3	X4
Small Flange	302mm 11 7/8"	308mm 12 1/8"	298mm 11 1/4"	305mm 12"	
Med/Lg. Flange	295mm 11 5/8"	305mm 12"	292mm 11 1/2"	298mm 11 1/4"	
1 1/4" Rims		27"		700c	
Super Champion Clincher Rigida Rigi-Alu		X3	X4	X3	X4
Small Flange	302mm 11 7/8"	308mm 12 1/8"	302mm 11 7/8"	308mm 12 1/8"	
Med/Lg. Flange	295mm 11 5/8"	305mm 12"	295mm 11 5/8"	302mm 11 7/8"	
All Tubular Rims		X3	X4	Use as a Guide... Not Completely Accurate	
Small Flange	298mm 11 3/4"	305mm 12"			
Med/Lg. Flange	292mm 11 1/2"	295mm 11 5/8"			



NEW **Cycle pro.**
5 or 6 SPD.
SMALL FLANGE HUBS



Small Flange Hubs, front and rear. Lightweight alloy. Silver anodized. Quick-release. 36 Hole. Specify: 5 or 6 Spd. **CP-SF-X \$21.90 pr.**

Rear Only-Specify: 5 or 6spd., **CP-SFR-X \$13.70**

Cycle Pro Competition
Skewers, Quick-release assembly. Top quality from Italy. Includes Front & Rear. Excellent Value!

CP-QRS \$8.90 pr.

Campagnolo



CA-1253 Nuovo Tipo Lg. Flange Hubs, 567.1G, \$49.90 pr.
CA-1251 Nuovo Tipo Sm. Flange Hubs, 508.4G, \$48.90 pr.
CA-1035-X Nuovo Record Lg. Flange, 596.6G, \$76.80 pr.*
CA-1034-X Nuovo Record Sm. Flange, 519.2G, \$64.50 pr.*
CA-1034/35-X Special Hi/Low Flange, 541.8G, \$87.95 pr.*
CA-1036/2-X Nuovo Record Sm. Flange Track, \$77.95 pr.*
CA-1036-X Nuovo Record Lg. Flange Track, \$77.95 pr.*
CA-1034/A-X Nuovo Record Front Sm. Fl. Hub, \$36.25 ea.*
CA-1034/P-X Nuovo Record Rear Sm. Fl. Hub, \$36.25 ea.*
CA-1035/A-X Nuovo Record Front Lg. Fl. Hub, \$42.40 ea.*
CA-1035/P-X Nuovo Record Rear Lg. Fl. Hub, \$44.40 ea.*
CA-1034/6-X Nuovo Record 6spd. Sm. Fl. Hubs, \$68.50 pr.*
CA-1035/6-X Nuovo Record 6spd. Lg. Fl. Hubs, \$80.80 pr.*
CA-1034/P6-X Nuovo Record Rear 6spd. Sm. Fl., \$42.25 ea.*
CA-1035/P6-X Nuovo Record Rear 6spd. Lg. Fl., \$48.40 ea.*
*We stock 36 Hole. Specify if: 24, 28, 32 or 40 Hole.

AVOCET



Model I Small Flange Hubs, for the cyclist who prefers to maintain his own equipment. This hub features traditional adjustable cones and Avocet press-fits hardened steel bearing races that are precision-ground. Model I Hubs come with chromed steel quick-release skewers. 36 Hole. Specify: 5 or 6 Speed **AV-HS-X \$44.80 pr.**

Model II Sealed Small Flange Hubs, this single-piece, small flange hub made from cold-forged aluminum is unsurpassed for its strength and beauty. The Model II is designed with adjustable, precision sealed bearings that require little if any maintenance. Cone bearing races are machine-ground and polished to a mirror finish. Lightweight alloy Quick-release skewers with aluminum skewer heads. 36 Hole. Specify: 5-speed or 6-speed Rear Hubs.
AV-SHS-X \$69.80 pr.

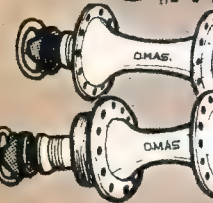
zeus



Zeus 2000 Hubset, Titanox, 470G. Titanium Skewers. English. Quick-release. Specify: Black or Silver. Specify Holes: 24, 32, 36, 40H Specify: 5 or 6 spd. **ZU-2000-X \$94.32**

SPECIAL ORDER

OMAS



Sealed Bearing Small Flange Hubs, steel alloy axles, precision sealed bearings, aluminum skewer ends. 36 Hole. A beautifully-finished hub. English. Specify: 5 or 6 speed **OS-H-X \$64.50**

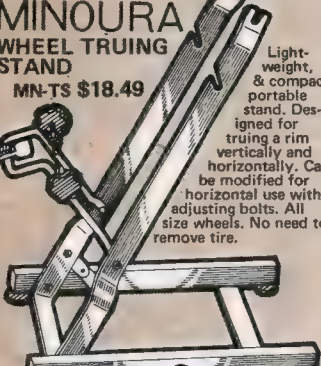
Park



Wheel Truing Stand, chrome-plated steel construction. Self-centering-wheel dishing is automatic. Comes assembled.

PT-TS \$139.50

MINOURA WHEEL TRUING STAND

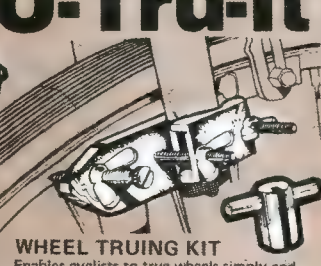


Light-weight, & compact portable stand. Designed for truing a rim vertically and horizontally. Can be modified for horizontal use with adjusting bolts. All size wheels. No need to remove tire.

MN-TS \$18.49

RIM CENTER GAUGE, for 26 or 27" wheels, provides precision-adjustment of wheel alignment. Weight: 0.8kg. MN-RC \$9.80

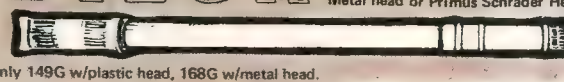
U-Tru-It™



WHEEL TRUING KIT
Enables cyclists to true wheels simply and accurately without removing the tires or wheels. Clamp the unit to your fork for its truing reference. Adjust the caliper to accurately gauge rim dirt. Adjust the spokes accordingly with the included spoke wrench. You're now ready to roll. Constructed of tough zinc-plated steel with a plastisol coating to protect your bike's finish. The kit is complete; lightweight, compact and portable. Complete w/instructions & spoke wrench.

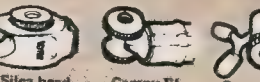
UT-WT \$7.90

SILCA



SILCA FRAME FIT PUMP with either Silca head Presta, Campy Superlight head or Campy Metal head or Primus Schrader Head

Only 149G w/plastic head, 168G w/metal head.



Silca head Chrome plastic
Campy SL Campy Metal

Note: Metal pump heads fit 1/2" larger frames

SI-PRH Primus head only, \$5.25
SI-SH Silca head only, \$4.95

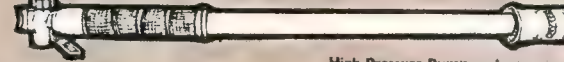
PRIMUS head (schrader)
SPECIFY: PUMP SIZE, HEAD & COLOR

PUMP SIZING CHART
Use pump size slightly longer than frame "opening"

PUMP SIZE (body-cm)	frame, opening "	bike frame size cm
40	15 1/2-16 1/2	18-19 47-48
42	16 1/2-17 1/2	19-20 48-51
44	17-18	19 1/2-20 1/2 49-52
46	17 1/2-18 1/2	20-21 51-53 1/2
48	18 1/2-19 1/2	21-22 53-56
50	19 1/2-20 1/2	22-23 56-58 1/2
52	20 1/2-21 1/2	23-24 58-61
54	21 1/2-22 1/2	24-25 61-63 1/2
56	22 1/2-23 1/2	25-26 63-65 1/2

Colors: Blue, Black, Silver, White, Red
SI-K-PS-X with Silca head, \$9.95
SI-K-PSL-X w/Campy SL, \$12.30
SI-K-PCM-X w/Campy metal, \$14.45
SI-K-SCH-X w/Primus (schrader), \$12.25
SI-P-X without head, \$8.50

zéfal hp



FITS SCHRADER AND PRESTA

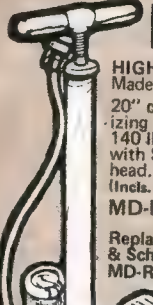
High Pressure Pump, only pump with a thumb lock - no leaks or difficult holding. Satin anodized aluminum body, black plastic grip. 203.5G. **FITS SCHRADER & PRESTA.** Specify: Short (18" to 21" frames) Normal (21" and over)
ZF-HP-X \$8.40

zéfal PLUS



Zefal Plus High Pressure Pump, two chambers, each pump in the opposite direction. This feature, plus a large capacity means that high pressure is reached in less than half the normal strokes. Pressure gauge. Comes Schrader with a Presta adaptor included, 4.4 lbs.
ZF-P \$36.70

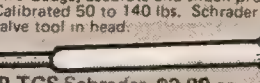
MDI



HIGH PRESSURE PUMP. Made in Japan by Meidai. 20" chrome barrel. Equalizing pressure tank with 140 lb. gauge. 22" hose with Schrader thumb lock head. Super easy action. (Incls. Presta Adaptor)
MD-HP \$13.70

Replacement Hose & Schrader Head, **MD-RH \$2.25**

Tire Gauge, accurate and shock proof, Calibrated 50 to 140 lbs. Schrader has valve tool in head.

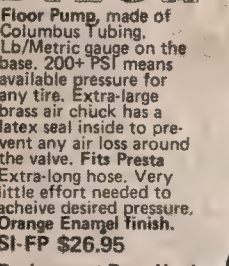


CP-TGS Schrader, \$3.90 ea.

Holds reading til button is pressed

PRESSOGRAPHE Tire Pressure Gauge, for Presta tires only. Sturdy plastic construction with easy-to-read gauge. Records pressure in both lbs. per sq. in. (PSI) and in atmospheres (Barometric). Comes with a convenient carrying case. TO-PTP \$6.50

SILCA



Floor Pump, made of Columbus Tubing. Lb/Metric gauge on the base. 200+ PSI means available pressure for any tire. Extra-large brass air chuck has a latex seal inside to prevent any air loss around the valve. Fits Presta. Extra-long hose. Very little effort needed to achieve desired pressure. Orange Enamel finish.
SI-FP \$26.95

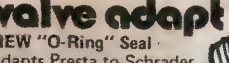
Replacement Brass Head, **SI-RH \$6.50**

Schrader



The Presta valve is controlled by air pressure alone, unlike the schrader which utilizes air pressure and a spring-loaded valve. The presta-equipped tube is definitely easier to inflate. Also, the narrow stem of the presta makes it possible to fit either a small or large-hole rim (with the use of a grommet), whereas the wide schrader stem is limited to large-hole rims. Also, an adapter may be used on a presta valve to fit a schrader pump

valve adapt



NEW "O-Ring" Seal
Adapts Presta to Schrader.
BRASS TO-VA 45¢

NOTE: If your pump is not pumping air properly.....BEFORE RETURNING, check the seal inside to see if it has dried out. If so, use some petroleum jelly to soften it up.

SPROCKET TOOL



Change or assemble your own sprockets with our all-new sprocket tool. Now factory-machined, the sprocket tool comes complete with easy-to-follow instructions; cut-away illustrations showing the different types of design and assembly; and a really helpful sprocket tooth-counting chart that lets you determine tooth count at a glance!

The entire sprocket tool kit comes poly-bagged and will quickly become one of the most valuable and indispensable tools in your collection. Use one if a sprocket vice is available, or use 2 without a vice or right on the wheel itself!

BN-ST 1/\$3.75, 2/\$6.94
10/\$27.49

MINOURA WORK STAND



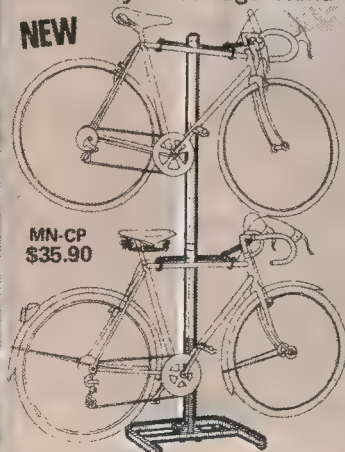
Work Stand, made of lightweight, durable steel. Easily adjusted. Tool tray keeps necessary tools within reach. Can double as a display stand, too. Black.

MN-WS \$28.50

CYCLE PILLAR

Double cycle storage stand

NEW



MN-CP \$35.90

Cycle Pillar, lightweight, durable steel. Suspends one bike above the other to utilize space. Bikes are supported under cross-bars & additional adjustable hook holds handlebars straight. U-shaped base provides stable support. Easy dismantling.

cone wrench set



2-Piece Cone Wrench Set, 13/14mm and 15/16mm
FE-CWS \$2.90



Cone Wrenches, 1095 milled steel for optimum thickness; austempered for maximum toughness & wear resistance. Ball burnished blunt edges are easier on the hands than coined edges. Durable nickel chrome plating and holes for hanging. Each wrench is hand-straightened after it is made.

AA-C-X \$2.10 ea. 13/14mm
15/16mm
14/17mm

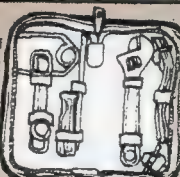
Cone Wrench Use Chart

Hub	Front	Rear
600	13 17*	15 15
Dura-Ace	13 13	14 14
Sunshine	14 16	16 17*
Pro Am	13 16	14 14
Campy	13 16	14 14
Nuovo Record	13 16	14 14
Nuovo Tipo	13 16	14 17*
Avocet	13 13	14 14

*Open-end wrench will work

Standard Tool Kit, includes: Third Hand Tool, Spoke Wrench, Tire Levers, Crescent Wrench, Dumbell Wrench, Double-ended Screwdriver, Zippered vinyl case.

CP-STK \$9.90

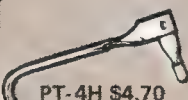


ALLEN HEX WRENCHES, (mm)
Specify: FE-4, FE-5, FE-6, FE-7
50¢ each

3rd hand brake tool

3rd Hand Brake Adjusting Tool, places tension on brake arms, holding pads to rims while you adjust cable slack. Essential for proper brake work.

DC-3H \$1.10



PT-4H \$4.70

Fourth Hand Brake Tool, for centerpull brakes.

BIKE STORAGE HOOKS, hang your bike by the rims, up out of the way and out of the reach of children. Vinyl coated to prevent scratching. 1/2" thick.

AG-SH \$1.35 pr.



tools



Universal Adjustable cup Spanner, AA-UCS \$5.50

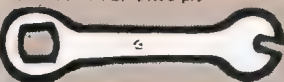
Extra Pins- AA-EP \$1.75 pr.



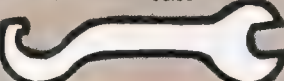
Artisan Crank Bolt Socket Wrench, Specify: AA-CB-14, 14mm for DA, SR, Nervar, Maxy, Apex- \$2.80
AA-CB-15, 15mm for Campy, Sugino, Mighty, TA- \$2.80
AA-CB-16, 16mm for Zeus, Stronglite- \$2.80



Adjustable Cup Spanner, fits Campy, DA, Sugino and 32mm Headset. AA-ACS \$7.80
Extra Pins- AA-EP \$1.75 pr.



Fixed Cup Remover on one end fits Campy, DA, Sugino and 32mm Headset. AA-FCR \$6.80 on other end. AA-FCR \$6.80



Lock Ring Spanner, fits all notched lock rings and 32mm Headset. AA-1LR \$6.50
Campy 3-Prong, AA-3LR \$6.50

open-end set



5-Pc. Open-End Wrench Set, drop forged. 8-9, 10-11, 12-13, 14-15, 16-17mm. With clamp. Guaranteed for life. FE-OES \$3.95

BEARINGS

Ball Bearings, chrome steel bearings, High-Grade. Come 100 to a bag. Specify Use or Size - 1/8", 5/32", 3/16", 1/4"

RT-X 1/8, 93¢
3/16, 93¢
5/32, \$1.05
1/4, \$1.25

actual sizes 1/8 5/32 3/16 1/4

Bearing Use
1/8"..... Freewheels
5/32"..... Pedals, Headsets
3/16"..... Campy Road Headset, Front Hubs
1/4"..... Rear Hubs, B.B.

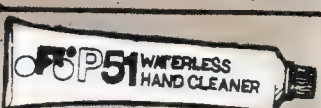
PERSONS NO. 8 Display/Tuning Stand

Nothing to adjust, slips under bike. Plastic cover protects downtube. Chrome plated with rubber tipped legs.

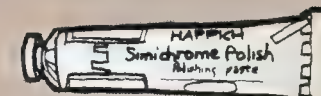
PM-N8 \$4.50 ea.
3/\$11.00



Gold seal grease, high-grade waterproof bicycle grease especially prepared for: head bearings, hubs, forks, cranks, & pedals. Protects against wear and corrosion. 2 oz. tube only PA-GS 75¢ ea., 12/\$8.10



P51 waterless hand cleaner for bicyclists removes grease, rim cement, etc. including ski wax. Unbreakable 2 oz. tube carry with you to use after you have to replace your chain. Rub on, then wipe off with a rag. No water needed. PA-P51 85¢ ea. 3/\$2.25 12/\$8.40



Simichrome polishing paste great for buffing aluminum and chrome. Also can be used to polish bearing races, 2oz.

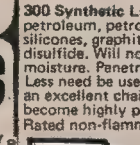
CP-SCP \$2.75



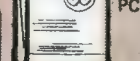
care

Product 1900 Clear Corrosion Preventive Compound, outstanding moisture displacing properties, including sea water. Provides maximum resistance to corrosion in the severest environments. Dries to a clear, tough, flexible film- won't collect dust or dirt. Meets the most stringent specifications. Not intended for use on moving parts which require a lubricated surface.

PC-CC \$6.75 5 1/2 oz. Can



300 Synthetic Lubricant, contains no petroleum, petroleum distillates, wax, silicones, graphite or molybdenum disulfide. Will not draw dust, dirt or moisture. Penetrates metal pores. Less need be used. Stops rust. Makes an excellent chain lube. Moving parts become highly polished. Rated non-flammable. PC-SL \$3.75



Motion Fluid 60, multi-purpose lubricant. Penetrates better. Also cleans, displaces moisture, and prevents corrosion. Effective on all moving parts of a bicycle. Never becomes dry, brittle or hard. Eliminates squeaks, frees up locks & cables. Rated non-flammable. PC-M60 \$3.75



Tubular Rim Glue Remover, most cements are removed from rims in less than 10 minutes. Lower in toxicity. Removes decals in seconds. Removes tar from bicycle frames-harmless to most paints. Cleans rims and spokes-harmless to tires. Use paper towels for cleaning. Rated non-flammable. Comes with brush in the cap. PC-GR \$3.75



Petrochem SPCK Plug Contact & Chain Clean, Effectively cleans all metals fast and easy. Great for cleaning those grimy bicycle chains. Rapid evaporation. No after deposits. Non conductive. Non-flammable. Also cleans plugs, distributors, contact point, etc. PC-SPC \$3.70

BELT BEACON



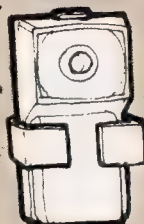
M39 Touring Belt Beacon, offers the biker a distinct safety advantage. Upgraded with carefully selected transistors, special lamp and an optimized solid state oscillator which conserves battery up to 100 times longer than a continuous light. Belt lip and hardware attaches to belt, bag, pack, clothing, anywhere. Ideal for biking, walking, jogging, traffic work, location beacon. White case with amber Fresnel-type lens which magnifies the flash. Flash is also visible from sides. Weight: 3 1/2 oz with battery, 3 1/2" dia. x 2 1/4". U.S.A. made. Either 40 or 60 Flashes Per Minute (Specify) Comes with an Extra Bulb.

AM-B40 40 flash, \$9.95 (No Battery incl.)
AM-EB Eveready Battery Twin-Pak, \$1.49
AM-B60 60 flash, \$9.95 (Battery below)
AM-AB Alkaline Battery, \$2.50 each

HEADLIGHT & TAILLIGHT

White weather and impact-proof plastic-no corrosion, no rust. Lightweight, easily removable. Meets all safety requirements. Battery included. The taillight is the same but with a re plastic case & red lens. Specify:

WL-HL Headlight, \$5.25
WL-TL Taillight, \$5.25



France

Wonder Electronic Battery, long life. Specially-formulated carbon/zinc battery can last up to 3 times as long as conventional batteries.

WL-EB \$1.99

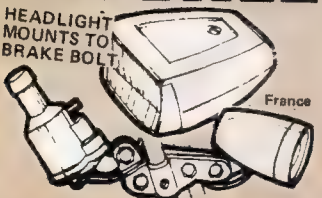


ARM AND LEG LIGHT

CyclePro, white, lightweight plastic w/ strap. White front lens/Red rear lens. Attach to leg, arm or bike. Uses 2 C-cell batteries. Taiwan.

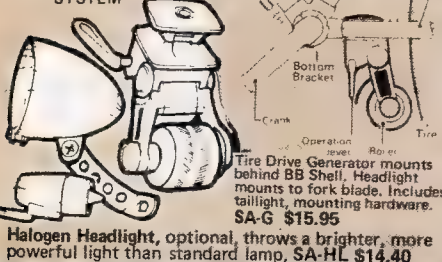
CP-LL \$1.85

SOUBITEZ



Featherlight Generator Light Set, 312G. Headlamp, taillight and generator all have black finish cases. \$0-G \$10.90

SANYO DYNAPOWER GENERATOR LIGHT SYSTEM



Halogen Headlight, optional, throws a brighter, more powerful light than standard lamp, SA-HL \$14.40

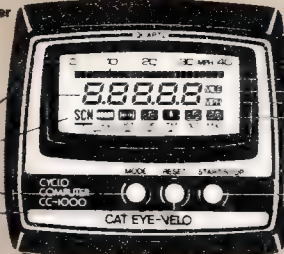
"CATEYE-VELO" CYCLOCOMPUTER



Micro-Computer incorporated Digital Display Meter

Up to 1 Year Use without changing cells
Digital Display (6 Functions by pressing Mode Button)
Scan-continually gives Distance, Speed & Elapsed Time

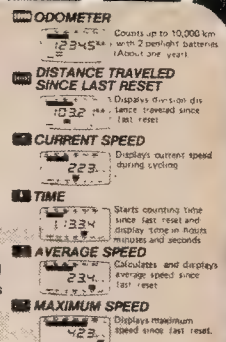
MODE enables you to manually select one of above functions
RESET resets everything except Odometer back to 0



CE-VC Complete Set, \$42.90

Size: 2 1/4" x 3"
Color: Anthracite

Compact Meter Body instantly mounted or detached
No friction while riding due to no contact sensor.
Bar Graph displays Current Speed in Miles Per Hour
Digital Display of Miles and Miles Per Hour
6 Function Measurable-Integrated Distance Ever Travelled (Odometer), Individual Travel Distance, Current Speed, Elapsed Time, Average Speed, Maximum Speed
START/STOP stops the action without resetting during breaks in cycling
Switchable to all 20-28" (700c) Wheels
Includes Sensor/Bracket Set and Sensor Ring Set, plus all hardware Comes with soft leatherette case



Flickstand

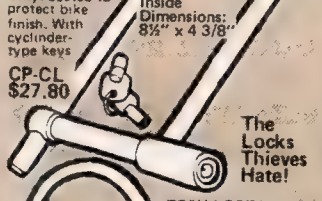


Simple in itself, once engaged it turns a bicycle into a rigid panel so it can be leaned against any stationary object. No more turning front tire to make the bike unstable and possibly fall causing dents & scratches. The plastic mount is moulded in super-tough Dupont ZytelS7, a non-abrasive, non-corrosive material. The hardware is stainless steel and nickel-plated brass. Weight: 26G.

RH-FS \$3.89

Citadel

Ultra-high Security Lock, made of 1/2" through-hardened alloy. Tested to stop large boltcutters and other tools used by bike thieves. Carries a 1 Year \$350.00 Theft Guarantee. Vinyl coated to protect bike finish. With cyclinder-type keys



TECH-LOCK by Citadel, offers the same high quality in theft protection as the above Citadel Lock but has a couple of differences: Uses a flat-type key, and carries \$150 in Theft Insurance.

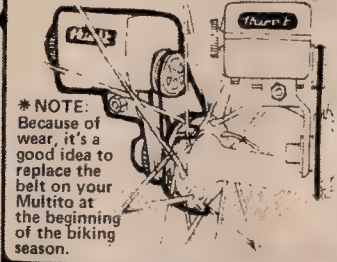
CP-CTL \$27.80
CP-CL \$27.80

Storage Bracket, mounts on bike frame. Designed for either Citadel locks above. Black vinyl covered. CP-CLB \$1.90

Huret Multito CYCLOMETER

Silent-Running Belt Drive with 2 Odometers: zeroing re-set button trip meter & cumulative total dial. Fits almost all hubs mounts on QR hubs. 26", 27" or 700c wheels. Remains affixed to wheel when the wheel is removed from fork. 65.6G.

HU-M \$8.90
*HU-MB Belts-\$1.00 ea., 10/\$9.50
HU-MP Pulleys-\$1.25 ea.



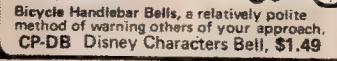
*** NOTE:** Because of wear, it's a good idea to replace the belt on your Multito at the beginning of the biking season.

KRYPTONITE 4

K4, Kryptonite's newest and toughest lock, combines simplicity with security. A double-locking, fully hardened shackle and bar coated with thick vinyl to protect your bikes' finish. Kryptonite guarantees your bike against theft for up to \$350. Black, includes 2 cylinder type keys. All for less than an insurance policy.

KR-4 \$22.99
Lock Carrying Bracket: durable, holds lock securely in place when not in use.

KR-CB \$1.95



Bicycle Handlebar Bells, a relatively polite method of warning others of your approach. CP-DB Disney Characters Bell, \$1.49

NEW ESSE

Chromaplast Fenders, bright chrome plate appearance. So flexible that the fender can be tied in a knot. Fits 27" & 700c. Approx. Weight: 15% oz. 2 Sizes: Standard or Narrow

ES-F-X \$13.90 pr.



Fanny Bumper



Fanny Bumper, high-visibility fluorescent orange nylon is perforated for ventilation. Reflective triangle border is stitched around the edge. Stiffeners sewn in between the nylon and border keeps the fanny bumper flat. 2 metal grommets hold the tie string and keeps the material from stretching or tearing. Bike Warehouse logo printed on the front.

BW-FB \$3.95

Cycle pro

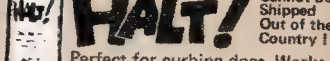
Bicycle Travel Bag, "The Cycle Pro" bag rewards the cyclist who wants to pack a bike more carefully with a more compact & easy-to-handle package. "Bicycling" May 1981 Made of heavy-duty nylon pack cloth with polyurethane coat. Wide floor panel is heavy vinyl with cloth backing. 2 inside wheel pockets are the same material. Adjustable, padded shoulder strap. 62" YKK nylon zipper top closure. Small inside pocket for tools or misc. items. Reinforced at stress points for fork and axle. Fits all bikes. Weight: 3lb., 10oz.

CP-BTB \$44.80

SUPER SOUND U.S.A.

Bike Air Horn, extremely loud. For use in traffic and against dogs. Lightweight plastic. Up to 200 blasts.

FC-SS \$4.25
Refills, pak of 2, FC-R \$4.25



HALT!

Perfect for curbing dogs. Works up to 10 feet away. Clips on belt or handlebar bag. Large.

AR-H \$2.60 ea., 10/\$9.00

Halt Clip, of lightweight plastic attaches to handlebars. Holds Halt secure within easy and quick reach.

AR-C \$1.40

BIKE CAMPING



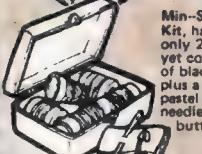
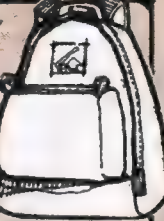
Silva Polaris Type 7 Compass—the most popular model for biking. Transparent plastic housing & base for easy map reading. Jeweled needle bearing, liquid filled needle housing for extreme accuracy. Base features inch and millimeter scale. Base features Size 2" x 3" x 3/8" U.S.A. **SK-T7 \$12.40**

Silva Type 23 Compass, a super compact model for convenient multipurpose use. Pin-on design allows biker to keep both hands on the handlebars. It can also be conveniently carried in pants or shirt pocket. Silva quality construction with rugged metal base plate & easy-to-read balack degree ring. Liquid filled & transparent for map use. Base plate folds over for use as a sun watch. 1/2oz., 2" x 1 1/4" closed. **SK-23 \$20.90**



Cooking on the Road, a complete guide to one-burner cooking. Covers the specially prepackaged foods as well as unconventional places to find foodstuffs. Ten chapters of recipes cover breakfast, lunch, dinner, snacks and vegetarian cooking. By John Rakowski. 1980. 202 pg. **BO-CR \$4.85**

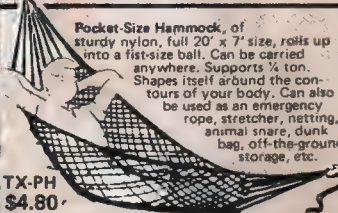
CANNONDALE Back Pack, Colors: Red, Blue, Green **CD-C854-X \$19.50**
Belt Pack, Colors: Red or Blue, **CD-B0849-X \$15.30**



Min-Sewing Kit, handy plastic box is only 2 1/2 x 1 5/8 x 7/8" yet contains: 10 yds. each of black and white threads plus a roll with 6 different pastel colors, thimble, needle, safety pin, spare button. **GW-MS 95¢**



Travel Toothbrush Kit, quality toothbrush folds to fit into handy plastic carrying case. Comes with 1/2 oz. tube of fluoride toothpaste. **GW-TB \$3.25**



TX-PH \$4.80

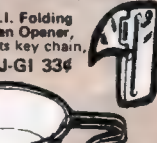
TEXSPORT
NEW
TX-MK \$4.72



Camp and Mess Kit, polished heavy-duty aluminum. 5 pieces include nesting pot, pan, cup, pail and lid. Folds compactly & detachable handle locks set when nested. Approx. 20 oz.



S.S. Messware, knife, fork & spoon in case **LJ-SSM \$1.95**



G.I. Folding Can Opener, fits key chain, **LJ-GI 33¢**

Sierra Cup, stainless steel cup, a wide, flared design with a wire handle. Neither the rim or the handle will become too hot to hold if a hot liquid is used. 2.5 oz. **TX-SC \$1.80**



TX-WP 59¢

basic designs inc.



The SUNSHOWER, now have a hot shower anywhere. Holds 2 1/2 gallons of water—enough for 2 showers. Fill with water & place on a flat surface with clear side exposed to direct sunlight. In 3 hours its ready. Features on/off control, shower head & a heat sensor which visually tells the water temperature by changing color. Weight: 12 oz. (empty) **BD-SS \$12.40**

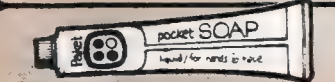


Water Sack, lightweight, collapsible 2-gallon container. The outer sack is tough Taffeta with a 10' bartacked web handle. The replaceable inner bag is double thick polyethylene with a leak-proof rubber spigot. **GW-WS \$5.85**

KAMP-ZEEK®

Candle Lantern just the thing for camp light and enough warmth for a tent on a cold night. One half of a pink lady candle is spring fed into a constant height, dripless collar. Burns 3 to 4 hours. (up to 8 hr. per full candle.) Has Pyrex glass heat shield. Comes loaded with candle **GW-CL \$10.85**

Long Burning Candles (cut in half to fit lantern, 1 5/8" x 3/4") **12 Full Candles (72 to 96 hrs.) GW-PC \$2.25**



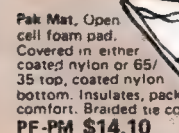
Paket Pocket Soap, a pure white, biodegradable soap. Mild for hands and face, also for shaving. No-leak, reclosable, floating tube. 50 to 60 washings. 21.3G. **PA-PS 2 for 95¢**

Pak Foam Products

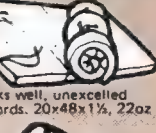


Pak Pad, Thick, convoluted foam pad. Poly-wrapped with brightly colored vinyl coated ground cover. Sewn-in tie cords. 20x54x2 1/2, 23oz. **PF-PP \$10.90**

Pak Pad Sak, **PF-PPS \$3.75**

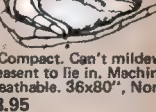


Pak Mat, Open cell foam pad. Covered in either coated nylon or 65/35 top, coated nylon bottom. Insulates, packs well, unexcelled comfort. Braided tie cords. 20x48x1 1/2, 22oz. **PF-PM \$14.10**



ENSOLITE, economy-minded, superlight closed-cell polyethylene foam that offers excellent heat and insulating qualities. Non-moisture absorbent. Flexible at low temperatures. 12 oz. 21" x 56" x 3/8" **PF-ES \$7.90**

Silver Lining, sleeping bag liner. Unusual non-woven nylon fabric is only 3 oz., light as air. Compact. Can't mildew. Gossamer smooth & pleasant to lie in. Machine washable & dryable. Breathable. 36x80", Non-flammable. **PF-SL \$3.95**



Quality Stuff Saks, carry and store, stuff saks keep your things dry. Or they keep wet things (towels, bathing suits, etc.) away from what should not get wet. Stuff Sak is made of tough urethane coated nylon. Its one-piece construction is waterproof. At the opening a large cover flap and strong square-braided nylon tie cord are sewn-in. A built-in bottom grip makes handling easy. 6 sizes. **PF-SS-X**

8x5" \$1.79
11x6" \$1.97
15x7" \$2.38
18x8" \$3.30
21x10" \$4.10
24x12" \$4.60



Salt and Pepper Shakers, sturdy plastic. Screw-together for convenience. Black/White **TX-SP 45¢ set**

Soap Dish, long-lasting plastic container holds your bar of soap during use and then handily stores it between use. **TX-SD 46¢**



PEAK 1

Bike Packing Stove, fold out legs, no priming, quiet, wind resistant, fully adjustable. White gas fuel boils 1 quart of water in 3 min. 45 sec. Wide open burn time of 1 hr. 15 min. Simmer time of 3 hrs. 30 min. Fuel capacity: 10 fl. oz. Weight w/full fuel: 39.5 oz. Empty weight: 28.5 oz. 6 1/8" x 4 5/8" **BTU rating of 8500 BTUH CM-S \$35.80**

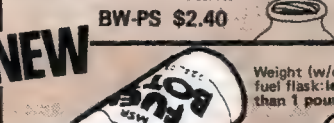


Coleman Aluminum Stove Container/Cook Kit, 10.2oz. **CM-SK \$10.80**



TX-BC-X Bungee Cords, elastic with plastic-coated hooks. Assorted colors. 3/8" dia. 12"/40¢ ea., 18"/50¢ ea., 24"/60¢ ea.

Companion™ Pour Spout for use with Sigg & MSR fuel bottles. **BW-PS \$2.40**



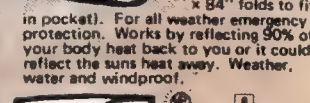
NEW
Weight (w/out fuel flask) less than 1 pound



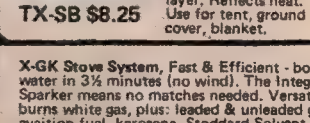
TEXSPORT
NEW
Lashing Straps, black nylon webbing, non-slip buckles. 3/4" wide x 4 ft. long. **TX-LS 95¢ each**



TX-PEB \$3.50
Polarshield Emergency Blanket, superlight and compact (54" x 84") folds to fit in pocket. For all weather emergency protection. Works by reflecting 90% of your body heat back to you or it could reflect the sun's heat away. Weather, water and windproof.



TX-SB \$8.25
Polarshield Sportsman's Blanket, 50" x 82" with grommets to aid in anchoring. Brand developed for U.S. space program. 12 oz. multi-layer. Reflects heat. Use for tent, ground cover, blanket.

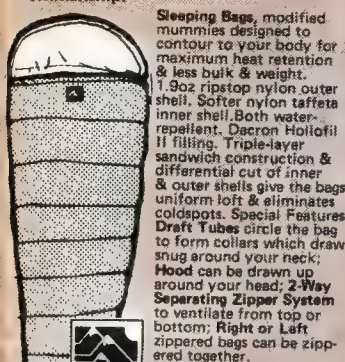


X-GK Stove System, Fast & Efficient - boils water in 3 1/2 minutes (no wind). The Integral Sparker means no matches needed. Versatile burns white gas, plus: leaded & unleaded gas, aviation fuel, kerosene, Stoddard Solvent, 1 diesel & 1 stove oil. Stable, Compact and Lightweight - fuel bottle lays on its side for maximum stability; separate fuel bottle from stove for easy packing; no pouring of fuels - just switch pump from empty to fresh flask. **MS-XGK \$69.67**

Fuel Bottle, heavy-duty aluminum, cap has a lock-tight rubber gasket, 22 fl. oz., **MS-FF \$3.99**
Windscreens/Heat Reflector Set, both of durable aluminum foil, increases efficiency. **MS-RW \$2.9**
Filter Funnel, keeps sediment, water & other contaminants from fouling stove. **CM-FL \$1.99**

cannondale

MADE IN U.S.A.—Lifetime Guarantee
Against Defects in Materials and Workmanship.



Blue Ridge, ideal for bicycle touring & warm weather camping. 250 Rating. Very lightweight. 3lb. 8oz. Compresses into a 8 1/2 x 12 1/4" sack. Fill Weight: 2lb. Loft: 4". Length: 83". Specify Right or Left CD-S804-X \$89.50 ea.

Chesapeake, our most popular. Excellent 3-season bag can be adapted to extreme cold weather use by the addition of a good ground pad & wearing warm clothing. 50 Rating. Weight: 4lb. 14oz. Loft: 6". Fill Weight: 3lb. 4oz. Length: 83". Includes 10% x 16% stuffsack. Can zip together. Specify Right or Left CD-S806-X \$118.90 ea.

NEW Black ICE

Starlight Sleeping Bag, for those who require a 3-season bag that will squeeze into the smallest possible place and weigh next to nothing. Special Features: Double YKK Zipper System, Chevron Baffling, Down-filled Collar, 2 zippered Chest Pockets, Pillow Pocket on the hood, Differential Baffle Depth & Fill, Differential Cut, Triple Chamber Foot Section for more feet room. Super Silk Nylon interior and exterior for light weight and comfort. Avg. Min. Temp: 20°F. Fill Type: Goose Down & Silk. Regular, fits to 5'11", 2 lbs. 12 oz. Long, fits to 6'4", 2 lbs. 15 oz. BI-SLR-X Regular \$165.50 BI-SLL-X Long \$184.00

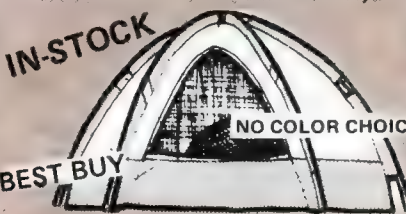


UFO Tent, for the weight conscious tourist. Highest room to weight efficiency of any 2-person tents. Easy set-up due to its integral rear poles—just slide the poles through the front sleeves and stake the corners. Tight catenary cut for less wind resistance. Other Features: YKK Coil Zippers, Interior Pocket, Nylon-reinforced corners and stress points, Mosquito Net Door and Skylight Panel, Guy Lines with Auto-Tension Adjusters, Fire Retardant Materials. Includes Stuff Sack, Aluminum Poles, Fly, Stakes, Guy Lines. 95" L x 64" W x 40" H. Weight: 4 lbs. BI-UFO \$154.00

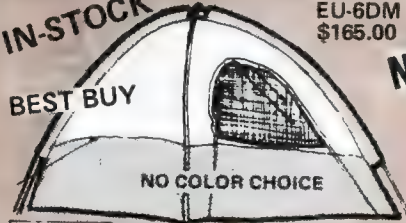
Eureka!

WITH FULL LIFETIME GUARANTEE
Some Tents are Drop-Shipped & Delivery takes approximately 14 Days

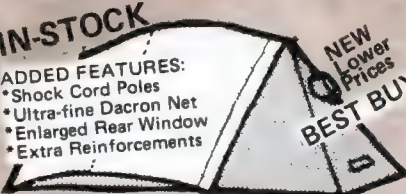
Eureka Quality Tents—walls are constructed of fire-retardant 1.9 oz. breathable rip-stop nylon, with Uretahne-coated floor and fly. All seams are double-sewn with rot-resistant cotton-wrapped polycore thread. Zippers are nylon self-healers. All tents have large inside-opening rear windows. Tents come complete with all bags, steel stakes and guylines. All but the Nu-Lite include Flies.



6th Dimension, dome-shaped to provide more usable space. Hexagonal floor design. Support frame consists of solid fiberglass rods. Features Eureka's new "Twin Track" door. Large rear window. Weight: 6 lbs. 11 oz. Height: 52".

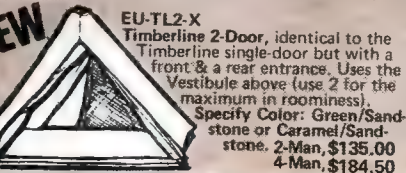


Dimension, compact version of the 6th Dimension. Same features but has a rectangular floor design making it lighter and smaller. The dome-shape still boasts ample headroom. Weight: 6 lbs. 1 oz., Height: 50".



TL-X Timberline, an external frame tent that is completely self-supporting and can be erected on stone or frozen ground. Fly pull-outs can be used. A-type door. 2 Sizes: 2-Man, 5'3" x 7'2" x 42"; 7lb., 14oz., \$119.90 4-Man, 7'2" x 8'9" x 58"; 9lb., 14oz., \$159.50 Specify Color: Green/Sandstone or Caramel/Sandstone

TLV-X Timberline Vestibule, shown above. Increase floor space by keeping your gear in the floorless vestibule. Also great for cooking and wind protection. Fits to Timberline entrance, has vent tube and zippered flap door. Specify Color: Sandstone or Green. 2-Man, 10 1/2 sq. ft.; 1 lb., \$38.50 4-Man, 14 sq. ft.; 1 lb. 5oz., \$42.50



TL-X Timberline 2-Door, identical to the Timberline single-door but with a front & a rear entrance. Uses the Vestibule above (use 2 for the maximum in roominess). Specify Color: Green/Sandstone or Caramel/Sandstone. 2-Man, \$135.00 4-Man, \$184.50

Eureka Features

- STANDARD ON MOST EUREKA TENTS
- A Self-healing, freeze-resistant nylon zippers
 - B Storage pockets to keep necessities safe
 - C Lap-joined seams, not visible polycore thread double stitched
 - D Reinforcements at all stress points
 - E Frame members are shock corded. Seamless aluminum tubing
 - F Extra line for use in setting
 - G Shock cords attach fly to tent easily
 - H Shock cords & suspensions give in the wind
 - I Clothing rings for indoor drying
 - J Packed in water resistant carrying bag
 - K Anap-around floor, reinforced at stress points
 - L Unique ring and pin assembly attaches tent to frame, little chance for wear.

Specification	FOLD SIZE
Timberline, 2-Man	5' x 24"
4-Man	7' x 24"
Alpine Meadows, 2	7' x 22"
4	8' x 28"
	Nu-Lite: 6' x 17"



TENT STAKES, steel 7" x 1/4", set of 6 EU-PT 804 set
NYLON ROPE, 50 ft. 500 lb. test TX-NR 884



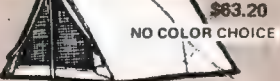
ALPINE MEADOWS, large diameter center hoop increases headroom and volume. Utilizes a shock-corded compression arch frame of seamless aluminum. Ring and pin assemblies, together with shock-cord loops, join the tent to the frame. Side-opening twin track door. Large rear and door windows of no-see-um netting. Hooded overall fly shields the door and window from sun and rain. Interior storage pockets & clothesline rings. 1.9 oz. breathable ripstop roof; and floor & fly in 1.9 oz. K-Kote ripstop. Colors: Royal Blue/Sandstone with Silver Grey Fly; or Green/Sandstone with Pearl Grey Fly

2-Man, 5'3" x 7'2", 1 lb., \$141.50 4-Man, 7'2" x 8'9", 1 lb. 5oz., \$184.20



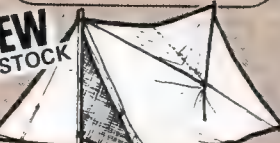
W-X Wisp I & II, ultralight and ultra-ventilated. No-see-um roof and netted door and rear window. Panels of breathable ripstop line each side of the roof for added ventilation. Exterior rain hoods so door and windows can remain partially open during inclement weather. Attached rain fly extends over the netted roof and can be rolled back and secured with Velcro tabs. High-strength Easton aluminum arched frames. Shock-corded. 1.9 oz. K-Kote taffeta floor & window awnings. 1.9 oz. K-Kote ripstop fly and side panels are breathable ripstop. Colors: Royal Blue/Sandstone with Silver Grey fly

1-Man, 3 lbs., 4 oz., \$115.00 2-Man, 4 lbs., 5 oz., \$132.50



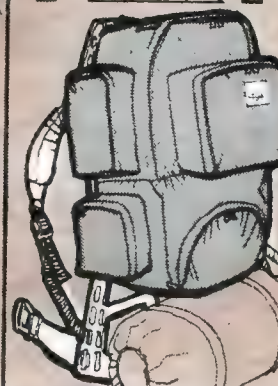
NU-LITE, Eureka's most economical 2-man. Flame retardant taffeta. Net door. No fly. 5' x 7'4", 4 lb., 10 oz.

TEXSPORT

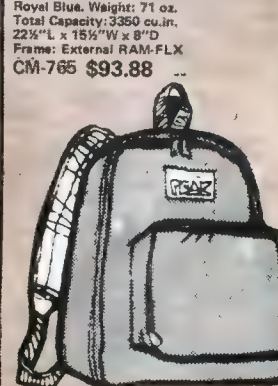


Nylon Tent, flame retardant rip-stop nylon. Lightweight—only 50 oz. Rear zippered window with storm flap. Zippered front nylon mesh screen door w/ flap. Nylon floor. Zipper snake band. Complete with ropes, stakes and aluminum poles. Nylon water repellent carry bag. 2-Man Size 5' x 7' x 3'6". Color: Rust TX-NT \$29.90 Only 4 lb., 4 oz.

Coleman PEAK 1



Model 765 Front-Load Backpack, of urethane-coated Cordura nylon. The large upper compartment features a full drop-down double-zipped opening for easy access top to bottom. The lower compartment is also front-loading with a curved drop-down opening. Compression straps are standard to snug the less-than-full load down. There's a generous outside compartment for stowing things you may want to get to in a hurry. Plus, 4 outside pockets, 5 leather lash patches (2 are extra-large), and an axe loop. Load control straps and padded waist belt with quick-release buckle. Royal Blue. Weight: 71 oz. Total Capacity: 3350 cu. in. 22 1/2" L x 15 1/2" W x 8" D Frame: External RAM-FLX CM-765 \$93.88



Model 705 Day Pack, great for day hikers, cycling, photography, skiing or school. There's plenty of room with a 809 cu. in. inside compartment. Access is through a double-nylon zipper. One outside compartment has a 131 cu. in. capacity. The pack is made of 500 Denier Cordura nylon. Features a haul strap and padded shoulder straps. The tapered design positions the pack between the shoulder blades and low on the back for the most stable carrying position. It also allows free arm movement. Royal Blue. 14 1/2" L x 13" W x 5 1/2" D. Weight: 11 oz. CM-705 \$18.25



TEXSPORT "Bravo" Nylon Day Pack, lightweight, durable nylon. Large main zippered compartment, plus zippered outside pocket. Adjustable padded shoulder straps. Assorted colors. 18" x 12" x 8" TX-DP \$6.95



new balance **B**



New Balance Rainier Hiking Boot, a world-class hiking boot designed with assistance from mountaineer Lou Whittaker. It incorporates the lightness and support of the New Balance running shoes & offers a firm foundation for those who often walk on shaky ground. A lightweight 500 denier cordura upper coated with polyurethane resists water and abrasion. A Vibram carbon rubber flat-head pyramid outsole rejects dirt and mud and offers unsurpassed durability & stability. An EVA midsole/wedge provides shock weakening and lateral motion support. Plus, there's a PE running shoe insert.

Sizes: (D width) 6-13 (in half sizes)

NB-R-X \$70.80 pr. \$75.00 Value

New Balance Lite Hike Trail Moccasin, designed for the hiker who prefers the trails of Appalachia to the peaks of Annapurna. Features a patented saddle design for superior support and fit. Molded heel counter and EVA wedge for improved cushioning and stability. Exclusive Vibram lug outsole made of Morflex for the same lightness, traction and durability found in popular New Balance running shoes. And a double-density PE insert makes it feel like a running shoe.

Color: Brown leather

Sizes: (D width) 6-13 (in half sizes)

NB-LH-X \$57.90 pr. \$62.95 Value

bike CLUBhouse



Generally this column is dedicated to bike clubs and the people involved with them. But this time I would like to bring to your attention an organization geared toward bicyclists and other outdoor sports on the move, the **AMERICAN YOUTH HOSTELS**. This organization is part of the International Youth Federation which consists of members in 50 countries.

Each country has its own "National Organization" made up of area councils. Since these councils are the foundation, it is important to be acquainted with them. To do this I will highlight one of these councils located in the United States—the Pittsburgh AYH.

First a little about the youth hostel movement. It originated in Germany in 1909 by a school teacher, Richard Schirrmann, who enjoyed taking his students on hiking trips. To enable the group to take longer trips he arranged for the students to stay overnight in barns, houses, schools, or wherever possible. The movement spread so that today, **HOSTELS** are available throughout much of the world.

The purpose of the youth hostel movement today is the same as it was when Richard Schirrmann founded it. All Youth Organizations are nonprofit, non-sectarian, nonpolitical, and are open to all; they must be open to those of very limited means. Do not let the term Youth mislead you. Today, most councils include members of all ages.

Today, many people all over the world are enjoying the benefits of being a member of the movement. They are able to travel with very little expense going toward housing, therefore allowing more money to see the sights. Since more and more people are getting involved with AYH more housing is becoming available.

The Pittsburgh Council is just one of the hundreds of councils which make up the A.Y.H. Their weekly meetings are held every Thursday to discuss upcoming trips and activities. Demonstrations, lectures and movies are often scheduled for the members enjoyment. No obligation is placed on members to attend meetings or participate in activities if they choose not to. This gives the council an open relaxed feeling. Besides the weekly meetings, the council holds one business meeting a year. At that time a new "Activities Board" is elected and major programs and business is discussed.

Big on volunteers, they like to think of themselves as a "do it ourselves" organization. This group believes that if a job needs to be done, the members will do it. This policy keeps the cost down because they do not have to hire "outside" workers.

The Pittsburgh council doesn't do "just for itself" it has been very active in Community Service. Foreign visitors have found lodging in members homes, and area hostels. They have been given guided tours of the Pittsburgh area by the members. Youth and church groups and scout troops have had the opportunity to take part in the AYH trips and schools, thereby giving them richer experiences with more opportunities.

It is understandable that not everyone knows how to ride a bike, maintain it's upkeep or upgrade it's potential. So courses are scheduled for the beginner and independent rider. Courses are also offered on climbing, canoeing, cross-country skiing and other self powered activities.

The council is equipped with some rental equipment if it is needed on Council trips, or if members would like to try a sport before investing in their own equipment.

Many people work hard to make AYH what it is. They don't do this to provide joy rides or guided tours. They like their adventure with a tinge of ruggedness. They all like to have fun on trips, but more than that, they want the trips program to provide meaningful experiences that build skills, ability, character, self-reliance, leadership and an appreciation of the out-of-doors.

For more information on the Pittsburgh AYH write or call (on Thursday evenings only)
Pittsburgh Council, A.Y.H. Inc.
6300 Fifth Avenue (at Shady Ave.)
Pittsburgh, Pa. 15232
Tel. 412-362-8181

Our sincere apologies to the members of the WESTERN PENNSYLVANIA WHEELMEN for the deletion of their club name in our last bike CLUBhouse.

GET FIT WITH BICYCLING



RECONDITIONING THE BICYCLE



BASIC RIDING TECHNIQUES



Basic Riding Techniques, provides information on why many people fail to get maximum benefit and pleasure from cycling because they have not mastered some basic techniques. Chapters are devoted to balance, mount and dismount, using gears, pedal cadence, 'ankling', coping with hills, rain cycling, getting down on drop bars and more.

BO-BRT \$3.70

Reconditioning the Bicycle, by a veteran bicycle mechanic. A step-by-step guide to overhauling the bicycle. Essentially, the bicycle is stripped to the bare frame & then the book explains disassembly, painting, reassembly and adjustments. Also explained is how to upgrade and lighten an existing bike by replacing wheels, cranksets, chains, derailleurs, pedals, etc.

BO-RTB \$3.70

Get Fit With Bicycling, by two Doctors/expert cyclists. Offers precise medical advice about general health, training, nutrition, weight, knee problems, & choosing proper equipment. This book offers an abundance of practical advice on making cycling a safe, beneficial and pleasant way to stay fit.

BO-GFB \$3.70



Best Bicycle Tours, made to order for the many cyclists who want specific recommendations about where to go touring or bicycling recreation in general. These road-tested tours contain pointed information on how to get to the touring spot, where to go, what to take, where to stay, and special attractions along the route. Each tour is rated for level of difficulty and traffic conditions. By the Editors of 'Bicycling' Magazine.

BO-BBT \$3.70

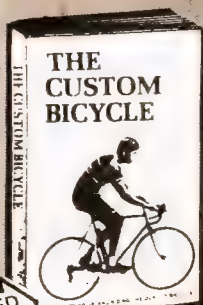
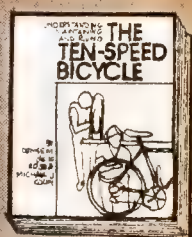
Basic Bicycle Repair, for those people who want to know enough about repair to keep a bike on the road. It explains simply and clearly all major repair problems and provides easy-to-understand, sensible advice on correcting these problems. Chapters are devoted to basic bicycle tools; troubleshooting gears and brakes, chain & cable; basic bike lubrication; tire repair and how to repair a broken spoke. 55 photos and illustrations. This book won't make you a bicycle mechanic, but it will keep your bike on the road. By the Editors of 'Bicycling' Magazine.

BO-BBR \$3.70

Understanding, Maintaining and Riding THE TEN-SPEED BICYCLE

by Michael J. Lolin and Denise M. de la Rosa. The first work to exclusively devote itself to understanding, adjusting, repairing and riding the ten-speed bicycle. 1979. 296 pg.

BO-TSB \$11.50



The Custom Bicycle, buying, setting up and ordering a quality bike. A comprehensive guide to frames, master frame builders. Detailed information on how bikes are built and what to look for when purchasing one. Also designs and component tips from 20 top builders; fitting the bicycle to the rider. 278 pg. 100 photographs and illustrations. By Michael J. Lolin and Denise M. de la Rosa.

BO-TCB \$10.50

RECOMMENDED
BEST BOOK BUY

we try to ship same day

The Bicycle Touring Book, the most complete and comprehensive ever published. You'll learn how to pick the right touring bike & components; how to handle the loaded bike on the road; how to maintain and make emergency repairs; how to prepare for a short or long tour—what food and equipment to take, where to stay, what roads to use. Learn to read maps and anticipate weather conditions. Detailed conditioning programs will prepare you physically. This guide helps you campers to select campsites and equipment; advice on cooking and how to bed-down comfortably in all climates. By Tim & Glenda Wilhelm.

BO-BTB \$10.50

THE BICYCLING BOOK
John Krauss & Vera van der Reis Krauss
And Harris, M.D., Medical Editor

THE AMERICAN BIKING ATLAS & TOURING GUIDE

NEW

The Bicycle Book, the Sporting, Recreational and Transportation aspects. The most comprehensive & authoritative guide on the art of cycling. Concentrates on 2 areas: Riding as a learned skill; & bicycling from a sports medicine view. Articles from over 60 experts: touring, buying, repairing, dogs, commuting, storage, health, philosophy, safety, frames, medicine, children's cycling, women, weather, antique bikes, clothing, geriatric cycling, manhole covers, much more. Over 400 photos and illustrations. 8 1/2 x 11. 280 pg. 1982. By John & Vera Krauss; Paul Harris, M.D., Medical Editor.

BO-TBB \$10.75

The American Biking Atlas and Touring Guide, how to get started plus 150 vacation and weekend tours throughout all 50 states and Canada. Easy-to-follow 2-color maps, detail the main tour and side excursions with points of interest, campsites, distances, country stores and bike shops. 320 perforated pages. 1974 by Sue Browder. 8" x 11"

BO-ABA \$5.65

FOOD FOR FITNESS

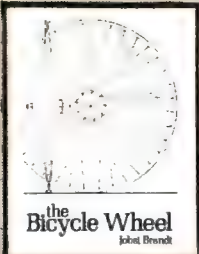
COOKING ON THE ROAD

Food for Fitness, (Diet for cycling) for racer or tourist. Bike riding puts added stress on your body and you need the proper diet to handle this stress. Experts in the field tell you how to achieve an optimal diet in language everyone can understand. Tells you food to take on trips and for races. By Craig Hoyt, Medical Editor of "Bike World" and others. 1975. 144 pg.

BO-FF \$4.50

Cooking on the Road, a complete guide to one-burner cooking. Covers the specially prepackaged foods as well as unconventional places to find food-stuffs. Ten chapters of recipes covering breakfast, lunch, dinner, snacks and vegetarian cooking. 1980. 202 pg. By John Rakowski.

BO-CR \$5.70



The Bicycle Wheel, for every cyclist, from novice rider to experienced wheel builder. The book is divided into 3 parts: Part 1 explains how and why wheels respond to loads, discusses the merits of different designs & components & what causes various failures; Part 2 gives a step-by-step guide to building wheels using any number of spokes & any pattern for front or rear wheels; Part 3 contains test results & formula for computing spoke length & other wheel dimensions. Fully illustrated. 1981. 140 pg. By Jobst Brandt. Published by Avocet, Inc.

BO-TBW \$7.80

Sutherland's Handbook, loose-bound notebook, here is the 3rd edition of the handbook that has long been recognized by bicycle mechanics across the country as the encyclopedia of bicycle information. Indispensable to any workshop, it is sensibly organized with large index tabs, and includes tables of information, and specifications concerning virtually every conceivable bicycle part. Eliminate guesswork and develop a professional insight to bike work. Over 250 pg.

BO-SH \$29.95

EVERYBODY'S BOOK OF CYCLE RIDING

Bicycle Frames-A Close-up Look

Bicycle Frames-A Close-up Look, detailing all the secrets of making, or choosing, a good frame, but written in a language which avoids unnecessary technical complications. Learn all about the signs of a frame's quality - tubes, lugs, and unusual modifications. A chapter by Colin Laing "What Goes On In A Custom Frame Shop". A directory of U.S. frame builders. 1975. 48 pg. By Joe Kossak. "Bike World" technical editor.

BO-BFC \$2.20

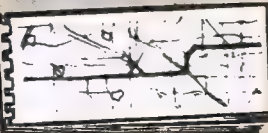
Everybody's Book of Bicycle Riding, takes the novice cyclist successfully through all the natural stages of bicycling. Shows how to get the most out of it by emphasizing riding & using rather than repairing a bike. In non-technical terms the author tells how to choose a bike; set up; ride correctly & efficiently; cope with hazards; the first ride; group riding; long touring; all season riding; a bike as a fitness tool; anticipate problems; racing; customizing; clothing. 336 pg. By Thom Lieb

BO-EBBR \$9.75



Building Bicycle Wheels, finally the book every serious biker needs. Author Robert Wright explains how to build your own wheels with or without the aid of a truing stand. From radial to cross-four, anyone can understand this easy method. Karen Lusebrink illustrates every spoke so you can see which spoke is over or under. They also cover components, theories, modifications, troubleshooting and repairs. 1977. 48 pg.

BO-BBW \$2.20



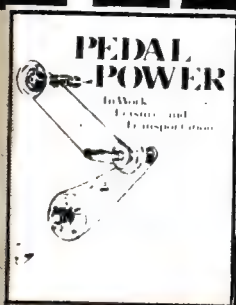
CARDINAL TRAIL Map Booklet, detailed maps of the Cross-Ohio Bikeway extending from Richmond, Ind. to Youngstown, Ohio. Spiral bound, 4" x 8 1/2" to easily fit in a map case.

BO-CT \$4.25



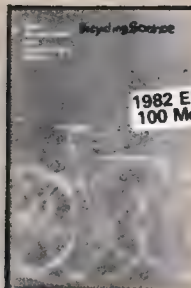
NEW Campagnolo Catalog, details, photographs, statistics and exploded views of main components, complete groups, complete tool cases, single tools, special tools, accessories, promotional items. From the exclusive official supplier of technical assistance to the cycling events of the 1984 Olympics. 48 pg.

BO-CC \$4.50



Pedal Power, explores the human potential inherent in the use of the bicycle for work. It also suggests many tasks which can effectively be done with pedal devices. One chapter gives a detailed account of the "Rodale Energy Cycle" not only a description, but also a complete set of building instructions is provided. The author also suggests a score of ways the energy cycle can be used around the house, garden, farm. 1977. 133 pg. Edited by James C. McCullagh.

BO-PP \$8.50



BICYCLES & TRICYCLES-An Elementary Treatise on Their Design and Construction, first published in 1886, it was the first serious, scientifically based study of the bicycle. Beginning with mechanical principles, then successive experiments at design are covered. Various designs are examined for their stability, steering, gearing and resistance properties. Finally a discussion of individual components in detail. A definitive work in its own time - a collectors item for history buffs as well as bicycle enthusiasts. 536 pg. By Archibald Sharp.

BO-BT \$9.50

Bicycling Science, for all mechanically inquisitive bicyclists as well as teachers of elementary mechanics and physiology, & those interested in lessening our dependence on high-energy-consumption transportation. Describes measurements and experiments in regards to basic "motion" principles & some resulting designs. Also-energy requirements for transportation, studies of human-produced power, a review of natural forces opposing motion & the applied braking forces & cooling effects on the rider & steering & stability. A look at people-power applications and new developments complete this book. 1982. 247 pg. By Frank Rowland Whitt and David Gordon Wilson.

BO-BS \$8.50



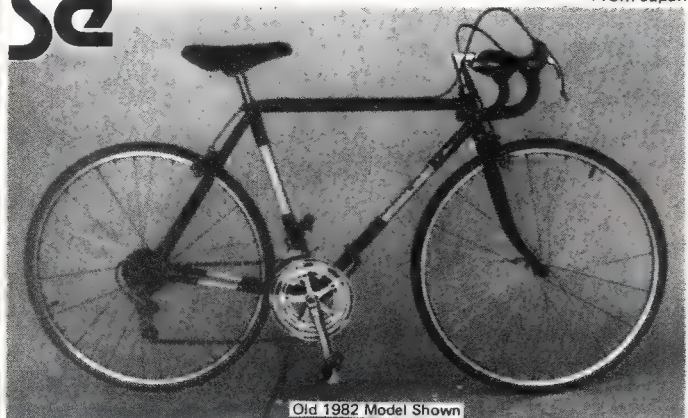
DeLong's Guide to Bicycles & Bicycling, Paperback Edition, the most complete, most accurate, most up-to-date cycling book available. This guide contains virtually everything you might ever want to know about the sport and the equipment. It covers from buying to riding to repairing to storing. The book begins w/ a discussion of the sport, with hints on where to cycle, touring, racing & commuting. Buying information is provided in choosing the right model for you. Comparisons of tubings & frame constructions help you select a model, also. You'll learn how to fit you bike to your dimensions, plus, there's coverage on custom built frames. You're told how to perform your own inspections and minor repairs. Learn all the parts of a bicycle & how they function. Wheel building is given special coverage. All you need to know of the medical aspects, written by an M.D. in the chapter "The Human Engine". Learn to improve your skills, study the weather, clothing to wear, packing for a tour, cycling with children, how to tandem & much, much more. Fred DeLong is Technical Editor of "American Cycling", "American Bicyclist" & "Bicycling" magazines, & Vice-Pres. of the L.A.W.

BO-D \$9.75

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

nashbar[®]tour

From Japan



Old 1982 Model Shown

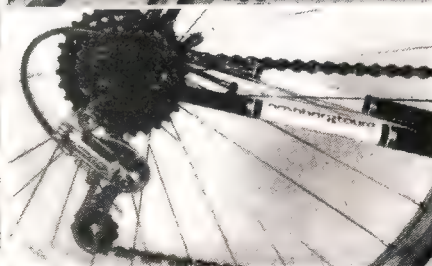
600 EX TOUR Bicycle, 12 Spd., Champion No. 2 Chrome-moly double-butted Tubing, **Shimano 600 EX** equipped: braze-on Shifters, Front Derailleur, long cage GS Rear Derailleur, normal reach Brakes with recessed Allen Bolts & Drilled Levers with gum rubber Hoods, Quick-release Freehub 13 x 30T. Crankset with one-key release/Chainrings 39 x 52T. Seatpost: 26.8 Sakae Custom P5. Saddle: Avocet Mod. 1 Specify **Mens or Womens**, Sakae aluminum Handlebar and Stem, SBI Sealed Headset, Silver/Black Uniglide Chain, SBI 700x28c Tires on Arraya aluminum Rims with Presta Valve Tubes, Black cushion-foam Handlebar Padding, Eyelets on dropouts for fenders or racks, Pro Vic II Pedals. Waterbottle Braze-ons, Angles: 72°. **Color: Candy Apple Blue. Sizes: 19", 21, 23, 25"**

BN-TB-X \$335.00 Sugg. Retail \$419.95

Shipping: \$15.00

INCLUDES COMPLETE SET OF DECALS

NEW
'83 Model



nashbar[®]road

From Japan



Old 1982 Model Shown

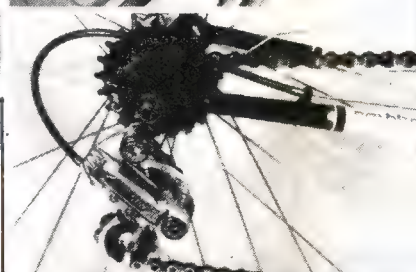
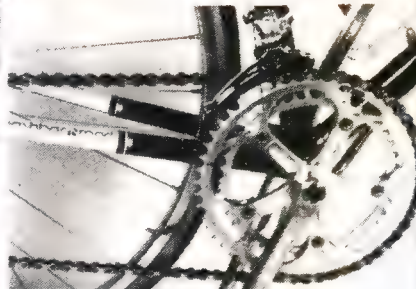
600 EX RACE Bicycle, 12 Spd., Champion No. 2 Chrome-moly double-butted Tubing, **Shimano 600 EX** equipped: braze-on Shifters, Front Derailleur, short cage Rear Derailleur, normal reach Brakes with recessed Allen Bolts, drilled Levers and gum rubber Hoods, Quick-release Freehub 13 x 21T. Crankset with one-key release/Chainrings 42 x 52T. Seatpost: 26.8 Sakae Custom P5. Saddle: Avocet Mod. 1 Specify **Mens or Womens**, Sakae aluminum Handlebar and Stem, SBI Sealed Headset, Silver/Black Uniglide Chain, SBI 700x25c Touring Tires on narrow alloy Arraya Rims with Presta Valve Tubes, Black cushion-foam Handlebar Padding, no Eyelets on dropouts, Pro Vic II Pedals, Waterbottle Braze-ons, Angles: 74°. **Color: Candy Apple Red. Sizes: 19", 21, 23, 25"**

BN-RB-X \$335.00 Sugg. Retail \$419.95

Shipping: \$15.00

INCLUDES COMPLETE SET OF DECALS

NEW
'83 Model



Minor Assembly and Adjustment Required

We are stocking these bikes. Please feel free to stop and inspect them for yourself. We are confident you will agree with us that both versions, Tour and Race, are excellent values for the money. These bikes must be shipped by truck or bus (see below). **FREIGHT CHARGE IS \$15.00 anywhere in the Continental U.S.A.** Sorry, No Canada, Alaska or Overseas Shipments.



linda



john

bike
warehouse



sue

bike
warehouse



brian

bike
warehouse



shirley



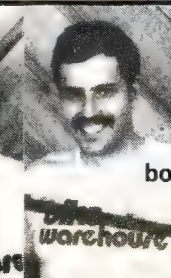
mike

bike
warehouse



kathy

bike
warehouse



bob

bike
warehouse

Frame Specifier

NOTE: SHIPPING OF COMPLETE BICYCLES. We can ship bicycles Greyhound Express which is faster, but the bicycle must be picked up at your local bus terminal. You also have to give us the location of the bus terminal. Otherwise, bicycles will be shipped by truck. Shipping by either method is \$15.00

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

NEW nashbar

From Italy



NASHBAR ROAD CE 12-SPEED BICYCLE—A hand-crafted Italian racing bike, built by one of Italy's finest frame builders. Equipped with world class Italian componentry for the rider who demands the utmost performance from a bicycle.

Columbus SL Double-butted Tubing throughout—Beefy Fork Blades, Campagnolo SR Road Dropouts with Chrome Flats, Investment cast full-sloping Fork Crown chrome-plated, Investment cast BB Shell w/ Slotted Cutouts Italian 70mm, 6-Speed Rear Spacing, Long-point Lugs with Cutouts, English Flat Seatstay Attachment.

Braze-ons—3 Top Tube Brake Cable Guides, Fork Reinforcements, Shifter Bosses, Downtube Water-bottle Bosses, Underside BB Tunnel Guides, Brake Bridge Reinforcement, Chain Hanger, Underside Chainstay Cable Stop.

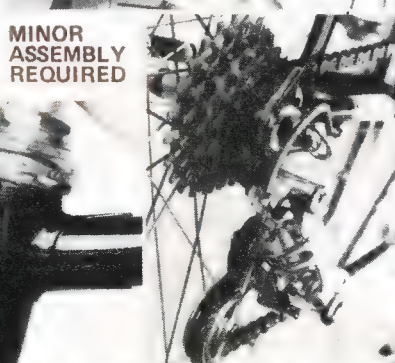
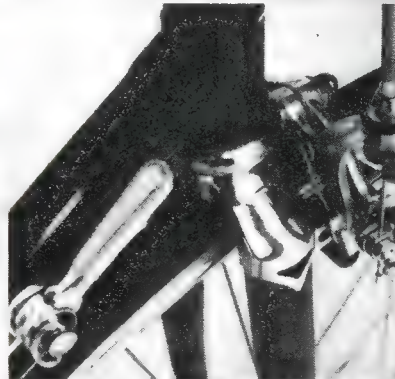
Campagnolo Nuovo and Super Record Equipped—Braze-on Downtube Shifters, NR Front Derailleur, NR Rear Derailleur, NR Short Reach Brakes with Recessed Allen Bolt, NR Crankset with SR Chainrings 42-52T, 170mm, NR Road Superleggera Black Pedals with Steel Clips & Leather Straps, NR Bottom Bracket 70mm Italian, SR Seatpost 27.2, Concor Suede Saddle, 8mm Seatpost Bolt, NR Small Flange Hubset with 36H, Italian, ACI 14g Stainless Straight Gauge Spokes X3, Fiamme Red Label Tubular Rims, Clement Criterium Tubulars, Regina Supercorsa Oro Freewheel 13, 14, 15, 17, 19, 21T, Regina Supercorsa Oro Chain 3/32, Silca Pump w/ Silca Head, REG Waterbottle Cage (braze-on), Bike Nashbar Waterbottle.

Specifications—Seatpost Diameter: 27.2, Head Tube Angle: 75°, Seat Tube Angle 74-75°, Fork Rake: 1.75", Fork Tube ID: 22.2.

Seat Tube in CM	48	50	54	56	58	60	62
Seat Tube in Inches	19.75	20.50	21.75	22.00	22.87	23.62	24.37
Top Tube in Inches	50	52.7	54.5	55.5	56.5	58.0	58.7
Chainstay Length	16.00"	16.12"	16.12"	16.12"	16.25"	16.37"	16.37"

Colors: Gloss Black, Flamboyant Red
Sizes: 48, 50, 54, 56, 58, 60, 62cm

BN-CE-X \$895.00 Shipping: \$15.00



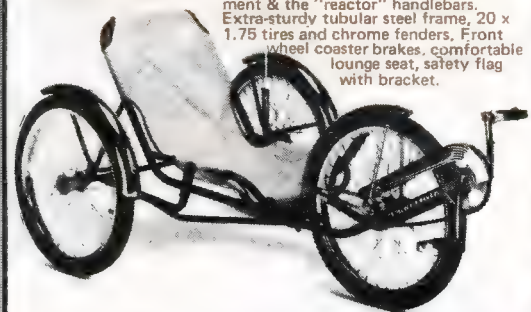
MINOR ASSEMBLY REQUIRED



NEW funcycle!

Weight: 46 lbs.
Color: Yellow
TM-FC \$179.50

A newly created American design for today's cyclist. Challenges the rider on every twist & turn. Responds to the command of the rider's body movement & the "reactor" handlebars. Extra-sturdy tubular steel frame, 20 x 1.75 tires and chrome fenders. Front wheel coaster brakes, comfortable lounge seat, safety flag with bracket.

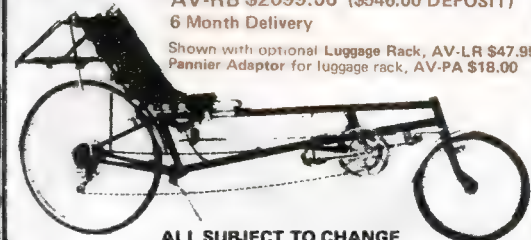


DESIGNED & BUILT LIKE NO OTHER BICYCLE

SEND S.A.S.E. for a FREE BROCHURE

AV-RB \$2099.00 (\$546.00 DEPOSIT)
6 Month Delivery

Shown with optional Luggage Rack, AV-LR \$47.95
Pannier Adaptor for luggage rack, AV-PA \$18.00



ALL SUBJECT TO CHANGE

INFINITY™ ALL ALUMINUM RECURRENT

Constructed from high-quality aircraft & structural grades of aluminum. Tungston inert gas precision welded. Fully rollerized handlebar for effortless steering. Positive aircraft cable steering is unaffected by rough road conditions. Aluminum turnbuckles provide cable tension & steering alignment. Seat is 100% Dacron with adjustable tension tie wraps. Seat is adjustable front to rear using ball detent pins. Approx. 4 Week Delivery.

Infinity Kit: 67" frame, fork, headset, steering cable assembly, handlebars, crankshaft & bearing assembly, finished seat. Satin Silver finish standard. **IF-K \$488.30***

Infinity II: 67" 18-speed complete. Lightweight fenders, alloy rims with quick release alloy hubs front & rear. Sun Tour front & rear derailleurs, foam handlebar grips & roadlite 100psi tire and tube in the rear. **Specify: Red, Black, Blue, Gold, swirled**
IF-II-X \$996.86 anodized finish

*Optional Swirled Anodized finish. **Specify: Red, Blue, Black, Gold**
IF-A-X \$125.00



Infinity II shown with Optional Blackburn Rack

SAVE 10%—Buy the Infinity Kit IF-K & pick your own components, taking 10% OFF the regular catalog price of each component. NO GROUPS

Jim Blackburn Rack and Adaptor
IF-JBR Silver Rack, \$27.00
IF-JBR-X Specify: Black, Red, Blue or Gold, \$35.00

HEADSET INSTALLATION AVAILABLE ON MOST FRAMES, BW-HIL-X \$10.00
Please specify type of brakes that will be used.

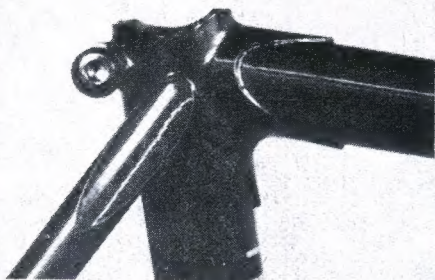
STANDARD SHIPPING ON ALL FRAMES

"The quality of parts is always excellent," D.J., San Francisco, CA.

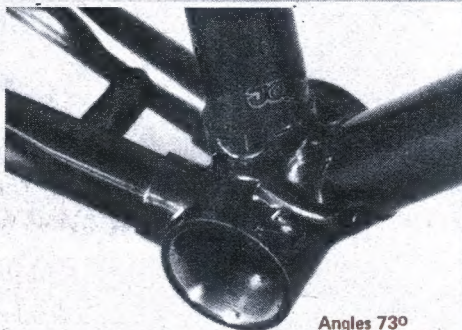
BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

nashbarntoure

A Quality-Built, Lightweight SPORT TOURING Frame



Tange Chrome-Molybdenum Double-Butted Steel Tubing. Hi-tensile Steel Fork. Shimano Vertical Dropouts with Eyelets. S-Lugs. Italian Fluted Seatstay Attachment. Semi-sloping Crown. Seat Post Bolt Included. Braze-ons include: Waterbottle Braze-on Mounts, Bottom Bracket Tunnel Guides, Chainstay Eye, Brake Bridge Reinforcement. English 68mm threaded Bottom Bracket. 26.8 Seatpost Size. Recommended for use with 600EX Freehub, 600EX Headset and 500 Reach Brakes. Installed 600EX Headset Available-SH-H \$16.50



Angles 73°
Fork Rake 2 1/2"
Wheelbase 39 1/2"
Chainstay 16 1/2"
Weight: 6 1/2 lb. (23")



INCLUDES COMPLETE SET OF DECALS

Colors: Red or Blue Candy Metallic
Size: 23" only

BN-NT-X \$125.00 **NEW LOWER PRICE**

AVAILABLE FOR IMMEDIATE DELIVERY

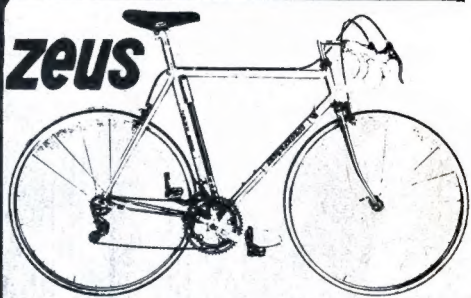
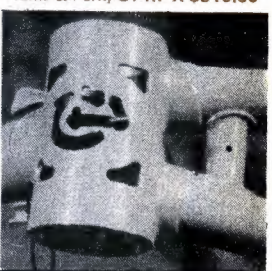
GIOS TORINO



A TRULY FINE
HAND-CRAFTED
ITALIAN FRAME

Tubing: Columbus SL. Beefy Fork Blades, Chainstays & Seatstays. Fork Ends: Campy 1010B w/adjustors, drilled Rear Dropouts. Fork Crown: track style flat with Gios Medallion inserts. BB: Cast slotted shell, Italian threads, 70mm. Long-point Lugs. Unique English Flat Seatstay Attachment. 6 spd. Rear Spacing. 27.2 Seatpost Size. Flat black Chainstay Guard Braze-ons. Waterbottle Bosses, 3 Top Tube Brake Cable Guides, BB Tunnel Guides, Chainstay Eye, Brake Bridge & Chainstay Reinforcement, Shift Lever Bosses for Campy levers, Fork Tab Reinforcement. Color: Electric Blue
Sizes: 50, 52, 54, 56, 58, 60, 62cm

Frame & Fork, GT-RF-X \$510.00



Zeus SUPERCRONOS Frame, Reynolds 531 SL Tubing. Chrome Lugs on head tube. Chrome Flats on rear dropouts. Chrome Fork. Zeus Dropouts 29400.00 with Rear Adjustors. Braze-ons for downtube levers, Waterbottle Cage Bosses, All Braze-on Cable Guides. Head Tube: 74°; Seat Tube: 75°

Colors: Red, Blue, Green
Sizes: 50, 52, 54, 56, 58, 60cm **ZU-SCF-X \$450.00**

Zeus SUPERCRONOS Assembled Bicycle, same specs as SUPERCRONOS Frame. Zeus 2000 Components, Silver Neo Pro Tubulars, Mavic Professional Rims, Christophe Z-Clips and Straps, Braze-on Lever Assembly. 20lbs. Includes Zeus Frame-fit Pump and Zeus Waterbottle & Alloy Cage. Colors: Red, Blue, Green
Sizes: 50, 52, 54, 56, 58, 60, 62cm

ZU-B-X \$1100.00

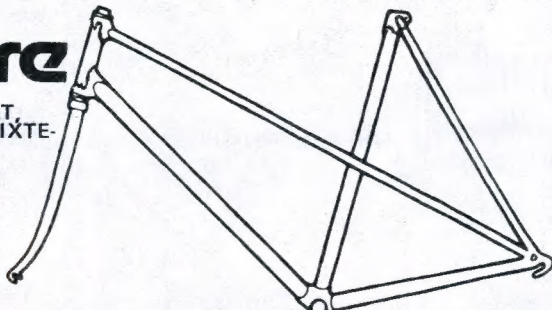
Full-Color Zeus Catalog
ZU-C104 \$8.00

nashbarntoure mixte

A QUALITY-BUILT,
LIGHTWEIGHT MIXTE-
STYLE FRAME

Nashbar Toure Mixte, Chrome-moly Tubing, fully lugged Frameset. Forged steel Dropout with Eyelets, English BB, Cable Guides, Seatpost Size: 26.8, Seatpost Bolt included. Color: Blue only
Size: 17 1/2" only. Uses 27" or 700c wheels.

BN-NTM \$130.00 Good Quality Frame for Shorter Riders



toure 27

Toure 27 Frame, a 27" frame, high-tensile tubing, fully lugged. Stamped steel Dropouts with Eyelets. English BB, Cable Guides & Stops, Centerpull Brake Hanger. Seatpost Size: 26.0 w/ Seatpost Bolt included. Color: Blue
Size: 27" **BN-T27 \$100.00 SALE**

BIKES AND FRAMES ON DISPLAY IN OUR SHOWROOM

All Colnagos featured in this catalog are built in the Colnago factory in Milan, Italy, under the supervision of Ernesto Colnago. The 1983 Colnagos now come individually boxed in Colnago boxes and are faced and tapped at the factory. They feature Chromed Flats on the dropouts and Chromed Fork and Crown. The Fork Blades are painted to match the frame. Improved quality & detailing make the Colnago a more desirable frame than ever before.

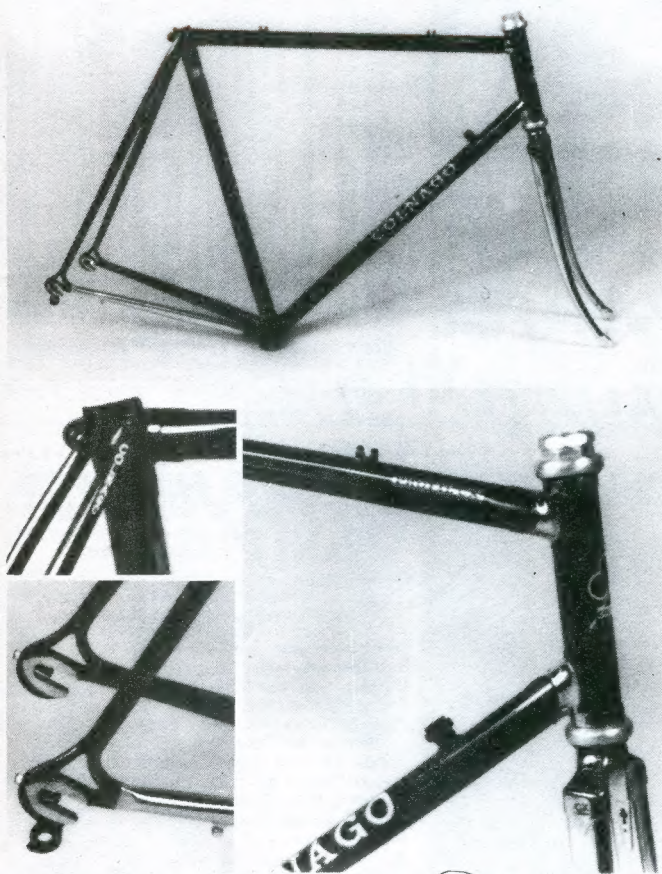


PROFIL CX Racing Frame

Profil CX, Colnago's stiffest and mostly aerodynamic frame. Special clover-leafed Columbus SL Aerodynamic Tubing on the 3 main tubes, a new Aero Fork Crown w/ special Columbus Aero Fork Blades, Seatstays and top-mounted Levers with internal derailleur cables. The Profil CX besides being a perfect racing frame is also the most beautiful for sale in America. The entire frame is chrome-plated (done in Switzerland) then a translucent candy red is put over the chrome creating a dazzling finish. Guaranteed to satisfy the most discriminating.

Specifications—Fork Ends: Colnago, Fork Rake: 1.75" Head Tube Angle: 75°, Seat Tube Angle: 74-75°, Seat Post I.D.: 27.2, Fork Tube I.D.: 22.2, Bottom Bracket Thread: Italian, Wheel Size: 700c, Country Built: Italy
CO-CX-X \$695.00

Color: Chromed-Velo Red
Sizes: 50, 52, 54, 56, 58, 60, 62cm



Italy's best known and finest production frame. Colnago is used by more winning racers than any other make.

74° - 75° Angles

SUPERISSIMO Racing Frame

Colnago Race Frame, Tubing: Columbus SL, Beefy Fork Blades. Fork Ends: Colnago Forged with Adjusters. Fork Crown: Semi-sloping with Colnago engraving, chromed. Bottom Bracket: Cast shell, Italian, 70mm with Clover Leaf Cutout. Long-point Lugs. Italian Fluted Seatstay Attachment with Colnago name engraved. 6-speed Rear Spacing. Seatpost Size: 27.2. Braze-ons: Waterbottle Bosses, 2 Top Tube Brake Cable Guides, underside BB Tunnel Guides, underside Chainstay Eye, Brake Bridge and Chainstay Reinforcements, Shift Lever Bosses, Fork Tab Reinforcement. Colors: Saronni Red, Black Fire, Nuovo .Blue

Sizes: 48,50,52,54,56,58,60,62,64cm
CO-S-X \$509.75

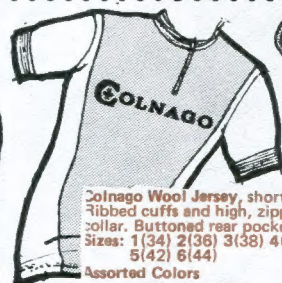


Colnago TRACK Frames are now available. Sizes: 54,56,58,60cm. Color: Saronni Red only.
CO-TF-X \$390.00

Colnago AERO Braze-on Down-tube Shift Levers, aerodynamic styling with curved ends. High-resistant resin material. Black finish. Complete with all hardware.
CO-DTL \$12.50 pr.



Colnago T-shirt, a Bike Warehouse shirt with a large dark blue Colnago Transfer on the front & a large Bike Warehouse Transfer on the back. Colors: Powder Blue, Natural Beige, Light Yellow.
Sizes: Adult/S,M,L,XL
BW-K-SCN-X \$5.30



Colnago Wool Jersey, short sleeve. Ribbed cuffs and high, zippered rib collar. Buttoned rear pockets. Sizes: 1(34) 2(36) 3(38) 4(40) 5(42) 6(44)
Assorted Colors
CO-JER-X \$34.00



Colnago Cap, 50/50 Poly/Cotton. Blue/White/Yellow.
CO-CAP \$2.95



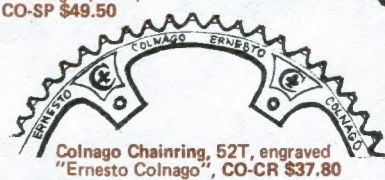
Colnago Handlebar Stem, BLACK, engraved "Colnago"
Sizes: 90,110,130
CO-HS-X \$29.90



Colnago Seatpost, engraved "Colnago", 27.2.
CO-SP \$49.50



Colnago Brake Calipers, black, short reach.
CO-B \$89.50



Colnago Chainring, 52T, engraved "Ernesto Colnago", **CO-CR \$37.80**

HEADSET INSTALLATION AVAILABLE ON MOST FRAMES, BW-HIL-X \$10.00
Please specify type of brakes that will be used.

STANDARD SHIPPING ON ALL FRAMES

f4

"The people there are a credit to your organization," J.M., New Lenox, IL.



STUMPJUMPER T-SHIRT, Hanes Beefy-T 100% Cotton, short sleeve, 4-color 'Fat Tire Flyers' on the front, 'Survival of the Fattest' on the back. U.S.A. Shirt Color: Blue. Sizes: S,M,L,XL SB-FTF-X \$6.95

SPECIALIZED "EXPEDITION"

A Long-Distance, Heavy-Duty Touring Bicycle

Frame: Double-butted Chrome-moly throughout. Drivetrain: Crankset-Sugino Aero Triple, 26x44x48T, Sugino Triple BB, Derailleurs-Superbe Tech/Mount Tech (sealed pulley), Shifters-Cyclone II, Chain-Sedisport, Freewheel-New Winner Ultra-6 13x15x17x 20x24x30T.

Components: Brakes-Mafac Cyclo (cantilever), Saddle-Avocat Touring I, Pedals-MKS Silvan Silver, Headset-SBI Channel-seal steel, Toe Clips/Straps-Specialized, Stem-Specialized S2, sized to fit, Handlebars-Specialized Model I sized to fit, Seatpost-SR Laprade sized to fit.

Wheels: Hubs-Specialized QR, sealed, 36° front, 400 rear, Rims-Super Champion 58 700c, Spokes-14g stainless X-4, Tires-Specialized Expedition 700x35c

Miscellaneous: Handlebar Tape-cloth Padded, Waterbottle-Expedition (3), Braze-ons-Waterbottle Mounting Bolts, Front & Rear Rack Mounting Bolts.

Includes Blackburn Lowrider Racks and Internal Wiring for Sanyo Generator Light Set.

Color: Metallic Slate, with contrasting decals Sizes: 47.5, 51, 54, 58, 60, 62.5, 65, 68.5cm

SB-EB-X \$584.00 Shipping: \$15.00

NEW

California Recumbents

A DIVISION OF SAN LUIS PLATING



Sportster

Send for Catalog, CR-C \$1.00

CR-S \$1700.00

Complete

Optional 1/2 Fairing, CR-SF \$250.00



Racer

CR-R \$1200.00

Complete

Optional 1/2 Fairing, CR-RF \$250.00

FRAME SIZING
CONVERSION

Inch	CM		
19.....	48	22.....	56
19.5.....	49.5	22.5.....	57
20.....	51	22.8.....	58
20.5.....	52	23.....	58.4
20.8.....	53	23.2.....	59
21.....	53.4	23.5.....	59.7
21.2.....	54	23.6.....	60
21.5.....	54.6	24.....	61
21.6.....	55	24.4.....	62
		24.5.....	62.2
		24.8.....	63
		25.....	63.5
		25.2.....	64
		25.5.....	64.8
		25.6.....	65
		26.....	66
		26.3.....	67
		26.5.....	67.3
		26.8.....	68
		27.....	68.6

NISHIKI 'CRESTA' Touring

Cresta Touring Frame, a high-quality Japanese built touring frame. Designed with the tourist in mind. Ideally suited for the day tourist, yet capable of handling the long-distance rides. Specifications: Tubing: Tange-Champion Chrome-moly Double-butted, Fork Ends: Sun Tour GS Vertical Dropout with Eyelets, Fork Crown: Semi-sloping, Seatstay: English Flat with Nishiki engraving, 3 Top Tube Cable Guides, 2 sets of Downtube Bottle Braze-ons, Underside BB Cable Guide, Underside Chainstay Guides, Long-point Lugs, Chromed Dropout Flats, Seatpost Bolt and Bottle Cage Mounting Bolts, English threaded Bottom Bracket, Fork Rake: 2 1/8". Wheelbase: 40 1/2". Chainstay: 17 1/2". Colors: Red, Blue or Pearl Black. Sizes: 54 or 64cm

CP-NC-X \$149.50 A Once-in-a-Lifetime Special Price!

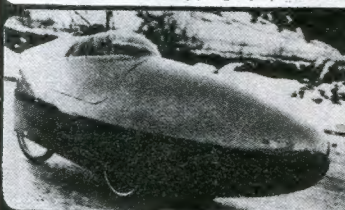


Eddy Merckx Frame, Tubing: Columbus SL, Beefy Fork Blades, Chainstays and Seatstays. Fork Ends: Campy 1010B with Adjusters. Fork Crown: Track style Flat with Merckx engraving. Super Record BB, Super Record Headset, short-point Lugs. English Flat Seatstay attachments with Merckx engraved. 6 speed Rear Spacing. Seatpost Size: 27.2. 74° Angles. Braze-ons: Waterbottle Bosses, 3 Top Tube Brake Cable Guides, BB Tunnel Guides, Chainstay Eye, Brake Bridge and Chainstay Reinforcement, Shift Lever Bosses for Campy Levers, Fork Tab Reinforcement. Colors: Red, Blue, Silver

EM-F-X \$510.00



NOTE: SHIPPING OF COMPLETE BICYCLES. We can ship bicycles Greyhound Express which is faster, but the bicycle must be picked up at your local bus terminal. You also have to give us the location of the bus terminal. Otherwise, bicycles will be shipped by truck. Shipping by either method is \$15.00



Cyclodynamics of Colorado Inc.

A HUMAN POWERED VEHICLE for the commuter & sports rider

NEW Ecodyne, CS-HPE \$2242.00

Additional Information Package, w/Photographs, CS-IP \$1.00

Cycle pro.

UNICYCLES

- *Chrome-Plated
- *Full Ball Bearing
- *White Sidewall
- *Pro Saddle with NEW Protective Rails

Specify Wheel Size: 20 or 24"

CP-UC-X \$58.48



NISHIKI Holdsworth

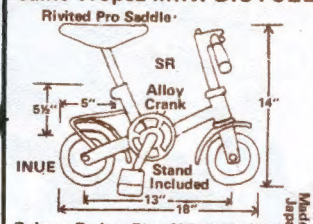
CALL FOR INFORMATION

O.N.P. CP-ONP-X \$345.00

HW-TF-X \$325.00



Saint Tropez MINI-BICYCLE



Colors: Red or Blue NO CHOICE BW-MB \$94.50

Made in Japan