





## FUNCTIONAL, DURABLE, SERVICEABLE.

### **PRAISE THESE WORDS, OR FACE THE WRATH.**

**In** this age where every new year brings a higher level of complexity, we are driven to administer serenity through simplicity. No matter how trick, how expensive, or how light, we believe the above three words should apply. We do our damndest to bring you function through clever design and good machine work. Parts you don't need a microscope and weird tools to work on.

**And** yes, we make it all ourselves here at the plant in Chico. This is a rare feature in today's marketing driven world, and we like to blow our horn about it. It does make a difference. We just wouldn't trust somebody else to care as much as we do. Plus, all that noisy machinery is pretty cool.

**Another** thing we like to brag about is how nasty our local trails are. Steep, jagged lava flow. Dry, gritty volcanic dust in the summer, muckity mucky in the winter. Trails worshiped for product development, ideal proving grounds. We take advantage of this day in and day out tweaking new stuff and seeing how we can make the present line up better.

**For 96** there are some new balls, the patent pending **GRIFTION RING** on all the brakes for extreme brake shoe staying power, and the new **SLOP ADJUST** lever pivot to take up all side to side play. The DDT hub has been put on steroids: fatter everywhere. It now boasts a huge 25.4mm axle. That is one big & stiff axle.

The crew, and a mighty fine one too. Like our parts, only the best need apply. Engineers, programmers, and quality obsessed machinists. Bike people committed to making bike stuff. Not just another aerospace firm making bike parts, or not, depending on the whims of the Pentagon. Bike parts are all we do.

So, here is the bottom line, you are going to spend some major dough on cool bike stuff. Make it an investment in something that won't disintegrate after the first stack. Get some PAUL equipment and you'll get parts that function flawlessly, are serviceable, last along time, and just so happen to be some of the lightest found round the big blue ball.



Our most excellent marketing manager, Eva, wants a listing of colors so she we won't have to list them over the phone so much. It's a long list. Good idea Eva.

BRAKES, MOON UNITS,  
BRAKE BUDDIES:

silver, black, red, blue, green,  
gold, and violet

HUBS, LEVERS,  
DERAILLEURS:

all those plus a RASTA combo

BALLS:

red, blue, silver

So now you know.

# POWERGLIDE™

**Fully** disassemblable. Fully Serviceable. Fully bitchen.

During the POWERGLIDE'S first year we have made many refinements to the first American production derailleur. This includes specific drivetrain requirements, and a general tightening of all tolerances. There is also a heftier cage spring.

Overall, however, we are committed to our initial design. This includes

serviceable pins, o-ring sealed cage and body pivots, and a helicoiled cable clamp screw among other niceties:

Every piece is replaceable. Pivot pins can be removed, greased, and replaced in seconds.

Friction free, floating, sealed bearing pulleys. Precision CNC'd links and bodies for supreme alignment. Brass cage pivot bushings.

There is also a break away bolt at the

dropout, with a hex broach on both sides so once you biff, the part left in the dropout can be removed on the spot.

**Motorheads** will note the name is from Chevy's first automatic tranny. While it had only two gears, it was built bombproof. Many are still in use shifting 1000 horsepower drag cars. We reckon this aint too far from the intended use of our own POWERGLIDE.

## SPECS:

BODIES, LINKS \_\_\_\_\_  
CHAIN CAGES \_\_\_\_\_  
PIVOT BUSHINGS \_\_\_\_\_  
CAGE & MOUNT BOLT \_\_\_\_\_  
CABLE CLAMP SCREW \_\_\_\_\_  
JOCKEY WHEELS \_\_\_\_\_  
CAPACITY \_\_\_\_\_  
OPTIONS \_\_\_\_\_  
WEIGHT \_\_\_\_\_

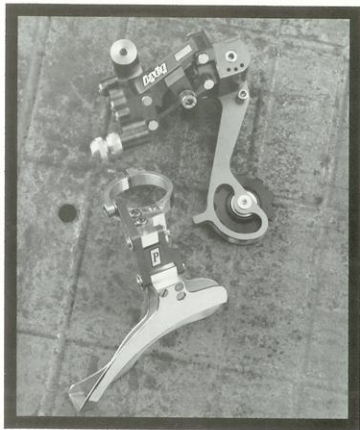
## POWERGLIDE 409

6061 T-6 BILLIT  
6061 T-6 BILLIT  
BRASS  
7075 T-6  
STAINLESS STEEL  
DELTA W/SEALED BEARINGS.  
32 TEETH (MEDIUM CAGE)  
LONG, MEDIUM, SHORT CAGES  
175 GRAMS ( med cage)

6061 T-6 BILLIT  
STAINLESS STEEL  
BRASS  
STAINLESS STEEL  
STAINLESS STEEL  
28 TEETH  
1-1/8, 1-1/4, 1-3/8; TOP & BOTTOM PULL  
100 GRAMS

# 409™

4

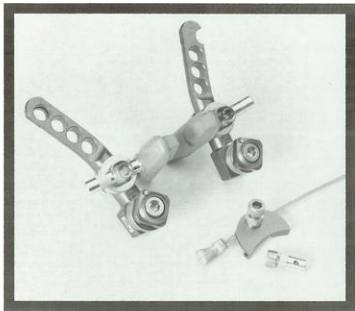


**Like** our ground breaking and trend setting POWERGLIDE, the new 409 was created with much inspiration and lots of perspiration. It is the missing link in American bicycle technology.

A unique wide parallelogram, and large diameter brass bushings make it extremely rugged and precise. CNC'd from 6061 T-6 aluminum to our precise standards, it is strongly sprung and fully rebuildable.

Using a special machining process, we have crafted a beautiful and long lasting cage. Precision formed and bent from tough and corrosionless stainless steel, we haven't been able to wear one out yet.

Available spring '96 in 1 -1/8, 1 -1/4, & 1 -3/8 clamp sizes; and top or bottom pull. Save your pennies and save your dimes because she's real **FINE**.



## **STOPLIGHTS™** THE ULTIMATE BRAKE SET.

**At** 95 grams (sans pads ) these are the lightest no compromise brakes around. They are the real thing, the original, and the best. Just ask anyone who has used them-this is one sweet set of stoppers.

### **BRAKES, AND WHY OURS ARE BETTER:**

Back around 1990, when there was maybe one other American brake set, Paul machined out the first set of **STOPLIGHTS** in what was then his garage. They had many new features that worked extremely well. Like round cross section arms, which everybody else is currently playing catch up on. These now have the new **GRIPION RING**, which gives our one bolt pad adjust system incredible staying power.

The pivots are sealed and simple: They do not rely on

what is on the bike, but rotate on their own separate, oversize stainless bushing.

Springs: Our exclusive square wire **SQUARE WAVE** springs are heavy duty, and fully adjustable. Never had a failure with these, never.

Cable clamp: Starting to see copies of these. We put flats on them so you can grab them with a 8mm open end. Much better (and lighter) than Vise Grips. It is said Paul has a real soft spot for these.

Don't be fooled: **PAUL Component Engineering** is the leader in brake design.

**We** precision machine each one out of solid billit to rigorous engineering requirements here in our plant in Northern California guaranteeing quality assurance. Cable carrier duty is handled by the stiff and light **MOON UNIT**. Used exclusively on all our brakes are our **SQUARE WAVE** square wire springs - fully durable through a wider range of tension adjustments. Ti anchor and eye bolts.



Our brakes rotate on their own precision, oversized and sealed pivot.



Exclusive, patent pending, **GRIPION RING** for rock solid pad placement.

**SPECS:**

- RAMS \_\_\_\_\_
- ANCHOR BOLTS \_\_\_\_\_
- EYEBOLTS \_\_\_\_\_
- MOON UNIT \_\_\_\_\_
- MOON UNIT CLAMP \_\_\_\_\_
- MOON UNIT CLAMP BOLT \_\_\_\_\_
- WEIGHT \_\_\_\_\_
- SHOES \_\_\_\_\_

***STOPLIGHTS***

- 6061 T-6 BILLET
- 6-4 TITANIUM
- 6-4 TITANIUM
- 6061 T-6 BILLET
- 8mm 2024 HEX
- 304 STAINLESS STEEL
- 95 GRAMS
- EAGLE CLAW II

***STOPLIGHT MC***

- 6061 T-6 BILLET
- 304 STAINLESS STEEL
- 304 STAINLESS STEEL
- 6061 T-6 BILLET
- 8mm 2024 HEX
- 304 STAINLESS STEEL
- 125 GRAMS
- EAGLE CLAW II

***STOPLIGHT MC™***

**BOLT** FOR THE AGRO SPORT RACER, we developed a more affordable version of the awesome *STOPLIGHTS*. Renowned o-ring sealed pivot is included, as is the **original**, and still the best round arm, one bolt pad adjustment system. Silver **MOON UNITS** and grey Eagle Claw II shoes are there too.



## CROSSTOP II™

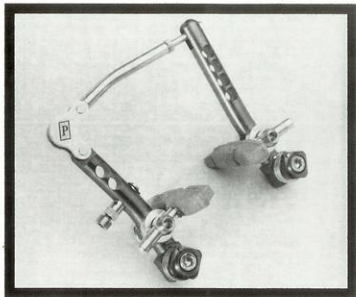
THIS IS THE BRAKE FOR YOUR FULL SUSPENSION RIG. As, or more, powerful than the *STOPLIGHT* series, one finger braking has never felt so plush.

This sexy unit solves the rear brake problems associated with the full suspension revolution: mushy, powerless feel, cable routing nightmares, and lack of heel clearance.

On our **CROSSTOP II**, cable housing leaves the frame and goes directly to the (IRD inspired) **DEALIE**, bypassing flimsy housing stops and friction inducing, weird systems of pulleys, cranks and levers. For '96 we have upgraded the **DEALIE** pivots to precision, serviceable brass bushings.

With the **CROSSTOP II** you get all the controllable feel and awesome power of the *STOPLIGHTS* (without having to put up with heavy and noisy disks that drag). In fact, this brake is so nice feeling, and so cool looking, many of us at the plant use them on all our rides. They also work really, really good with drop levers.

Mountain Bike Magazine gushed all over these brakes. *Velo News* said these brakes had a well thought out design, with lots of leverage. However, *MTB & Mountain Bike Action* didn't like 'em. Why this dicotomy? It all boils down to this: This is a highly set-up sensitive brake. Please read and follow the instructions very carefully, it makes all the difference. Thanks.



### SPECS:

ARMS	6061 T-6 BILLET
ANCHOR BOLTS	304 STAINLESS STEEL
EYEBOLTS	304 STAINLESS STEEL
MOON UNIT	6061 T-6 BILLET
MOON UNIT CLAMP	8mm 2024 BEK
MOON UNIT CLAMP BOLT	304 STAINLESS STEEL
WEIGHT	130 GRAMS
SHOES	EAGLE CLAW II

### CROSSTOP II



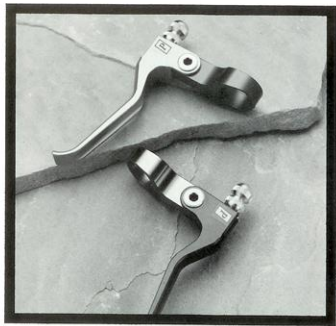
# LOVE LEVERS



Exclusive  
SLOP ADJUST  
pivots eliminate  
all side play.

## LOVE LEVERS™ -

These concupiscent beauties best exemplify what PAUL Component Engineering is all about: Functional, Strong, Durable, Simple. Once these goals are obtained, then and only then, do we make the stuff light-and these suckers are *light*: 110 grams per pair (that's 55 grams each, da). Wide, form fitting lever. Minimal yet structurally sound clamp. For '96 we have lengthened the lever a tad (1cm.), and removed 5 more grams of fat. And, as if they weren't lovely enough, we've come up with an ingenious, brass, easily adjusted SLOP ADJUST pivot. With a turn of a wrench all side to side play can be dialed out.



Other stuff: Reach adjusters. Light and cool *slotted* barrel adjusters. CNC'd 6061 T-6 throughout. Brass pivot and stainless steel thrust washers.

Get some and find out why MOUNTAIN BIKE said-"*Love Levers are a form of decadent practicality one rarely sees in the bike world. Jump on it...These are the best levers we have ever tried.*"



## **F<sub>HUB</sub>**

Last year's intro of the new hubs with funny names was, understandably, overlooked by many because of the excitement over the POWERGLIDE.

However, it has been a year now and these smoothies have proved themselves over and over again on the race circuits. Big 19mm (for stiffness), hollow (for lightness), 7075 aerospace aluminum axle. Big, bottom bracket sized bearings. Stiff, oversized, thin wall hub shell (with Powerbands!). And finally, our brilliant, self-locking adjustment system. Very stiff, very light, and very smooth.



## **F<sub>HUB</sub> DDT**

**D** is for downhill. **D** is for dual slalom. **T** is for *Totally Tuff*. No longer will your sliders live a separate existence, but will be united in unerring steering control and rigidity.

The DDT has been totally redesigned for 1996. Most excellent 37mm precision sealed bearings roll on a 25.4mm axle. That's a full inch, dude! Larger shell and end caps, too. This new design is also much easier to service than the previous model. You're welcome.

## ADJUSTING OUR BEAUTIFUL HUBS:

Stop the shimmy-here's the skinny.

While most trick hubs just get wobbly, ours are fully adjustable for normal bearing wear, even while the wheel is still in the fork. The Fhub takes a 19mm cone wrench, and the DDT uses a 25mm, or one inch for adjusting the self locking bearing pre load nut. But, don't touch them until they need it. Thanks.



the big Fhub  
& the really  
big Fhub  
DDT  
bearings.

### SPECS:

SHELL

**Fhub**  
6061 T-6 ALUMINUM ONE  
PIECE, OVERSIZE/THIN  
WALL W/ POWDERCOAT

**Fhub DDT**  
6061 T-6 ALUMINUM ONE  
PIECE, OVERSIZE/THIN  
WALL W/ POWDERCOAT

BALLINGS

20, 32, 36 HOLE

20, 32, 36 HOLE

AXLE

7075 T-6 ALUMINUM, 15mm  
O.D. HOLLOW CORE

7075 T-6 ALUMINUM,  
25mm O.D. HOLLOW CORE

BEARINGS

NSK conq 17mm x 30mm

NSK conq 25mm x 37mm

ADJUSTING CONES

6061 T-6 SELF-LOCKING

6061 T-6 SELF-LOCKING

END CAPS

6061 T-6

6061 T-6

FRAME ATTACHMENT

QUICK RELEASE

9mm TITANIUM BOLT  
W/ BRASS FRICTION RINGS

WEIGHT

149 GRAMS

190 GRAMS

SPACING

100mm

100mm



Michelle Grainger, rad chick and one of our  
many pro & expert riders .

Thanks for the cookies Michelle.



actual size



( This is the page we had planned to use for our new BeefSteak Crank. It's not ready yet. Maybe next year. )  
However this is the design found on the back of all our t-shirts

# Duds & Togs



## JERSEY

Made from double-knit wool, olive center and black sleeves. All that talk about how good wool is is true. Our logo is embroidered on the front breast & center back pocket. Three pockets for easy access to riding and other paraphernalia. Made for us by some nice people in Healdsburg, CA. Small, medium, large.



## T-SHIRT & CAP

We pay homage to the end mill. Basically, this is the sharp part of a milling machine that removes the metal. (This is an important tool for us). Our not so famous peace sign, "be nice, ride a bike" logo is on the back so people know just how cool you are from either end. This quintessential mountain bike t-shirt is a must have for every bike weenie, and it feels good next to naked skin. Hanes Beefy-T made from 100% preshrunk cotton. Large, & X-Large.

**CAP** ...One size fits all. Nice & real leather strap for accurate cranial adjustment. 100% cotton in a low profile style even the most discriminating fashion hound pines for. Medium long bill.



## JERSEY DRESS

This ain't no downstream dress. Airy, loose, cool, tank style, green cotton bodice. Oh so hip woven Guatemalan skirt. Strong enough for a man, but made for a woman. Small, medium, and large.

## ASK FOR PAUL COMPONENTS BY NAME

### Australia: SUBCULTCHA

241 Payne Rd. The Gap Queensland 4061  
tel: 015 124 790 fax: 073 001 1771

### Austria: ING.A.F.BEADER VIENNA

Leopoldig. 13-17, PL94, A-1233 Wien  
tel: 43-1-865-16-40-24 fax: 43-1-869-22-12

### Benelux: VERTEX CYCLE SYSTEMS

Flemingstr. 100A 2041 VL Zandvoort-Holland  
Postbus 126, 2040 AC Zandvoort-Holland  
tel: 2507-18184 fax: 2507-18606

### Brazil: JKS PECAS PARA BICICLETAS LTDA.

Av. Faustino Ramalho, 126/130-V. Galvao  
Guarulhos SP CEP 07050  
tel: 11 913-3000 fax: 11 208-4925

### Canada: DIA DISTRIBUTING

145 Herkimer Street, Hamilton, Ontario, L8P2H2  
tel: 905-527-6698 fax: 905-525-0963

### Costa Rica: BICI TURISMO

348-1007 Centro Colon, SanJose  
tel: 506 223-4048 fax: 506 223-7240

### Denmark: BikeToys Aps.

Ostboulevarden 11B, 8000 Arhus C tel:45 86 12 59 31

### Finland: RANSU

Hameenpuisto 8, 33210 Tampere  
tel: 358 31 212 2453 fax: 358 31 212 9329

### France: SUNEX

Lot N 4 83600 Freius, Quartier La Palud  
tel: 33 94 53 00 03 fax: 33 94 52 18 38

### Germany: RABBIT THE SPECIAL COLLECTION

Bahnhofstr.26, D-82211 Herrsching  
tel: 8152/925025 fax: 8152/925027

### Greenland: PIKKORI SPORT

Box 205, 3900 Nuuk, Greenland  
tel: 299-26708 fax: 299-21888

### Italy: BIKE 4 U

Via S Pietro in Versolo, 22100 Pavia  
tel: 0382 466366 fax: 39 382 33618

### STI

di Treppiede Loredana & C, Via Donizetti 42  
21040 Veduggio Olona (VA)  
tel: 39 332-866319

### Japan: A+F CORP.

1-1-9 Okubo, Shinjuku-Ku, Tokyo  
tel: 81 3209 7575 fax: 81 3209 7497

### JOTO RINGYO

296 Oimazato, Minami Higashihina, Osaka  
tel: 81 06 974 0222 fax: 81 06 974 0227

### Sweden: CYKEL TEMA

Bondegatan 50, 11633 Stockholm  
tel: 46-8-644-50-49 fax: 46-8-644-50-34

### Switzerland: INTERCYCLE

Industriegebiet, 6210 Sursee  
tel: 045 23 65 11 fax: 041 45 23 6352

### United Kingdom: AMPRO

52 Glasshouses, HG35QH -Harrogate  
tel: 14 23 711 211 fax: 14 23 711 212

**ALL OF US** here at the plant realize what a gift it is to inhabit our fragile earth. We print on recycled paper with soy based inks. We use minimal packaging, ride to work whenever possible, and recycle our waste. The earth is a gift, a privilege. **PLEASE** tread lightly. Minimize impact, and respect other trail users too. Besides being nice to the dirt, this keeps our precious open trails open. **NO ACCESS, NO DICE.** We all share in this responsibility.



**PO BOX 4826  
CHICO CALIFORNIA 95927  
USA**



**YACK: 916-345-4371 FAX: 916-899-9537 E-MAIL: [pce@pinsight.com](mailto:pce@pinsight.com)**