

□ Factory works bikes are small in number and hideously expensive. Detailing is what separates the factory bike from its production relatives. Things like dished-out titanium bolts and nuts, and special hand-machined triple clamps abound on works bikes. Shocks and forks are tuned to a razor's edge and kept sharp. Lightweight aluminum gas tanks painted factory racing team colors are *de rigueur*.

Those are just a few of the things that make a factory special so special. Unfortunately, works bikes are few and far between. That, however, doesn't mean you can't own your very own version of a works bike.

Dave Miller, who has made a career out of making performance modifications that rival the factories' own, is now offering his version of a works ride on Team Yamaha. He calls it "Concept 27," for no other reason than that's how old he was when he came up with the idea. His vision was to offer a factory special to anyone with the budget and determination to get one.

WHAT YOUR MONEY GETS YOU

"Strikingly unique" is perhaps the best way to describe Dave Miller's C-27 YZ80 Yamaha. From the handcrafted, high-capacity, low-center-of-gravity aluminum gas tank, to the side-mounted three-core radiator and streamlined front numberplate, the bike oozes workslike features.

Miller offers two versions of the Concept 27. One version is based on the '82 YZ80J, and the other is based on a forthcoming '83 YZ80K, which will use upside-down forks.

The bike brought out for *Minicycle Rider/Racer* to test was based on the '82 YZ80J model. Our bike used a standard YZ80 frame with the radiator mounted

lower and to the side on the frame (see "Side-Mount Your YZ's Radiator"). Plastic ducting around the radiator helps direct the airflow for cooling and provide protection for the radiator. New brackets are welded on for radiator placement and shock reservoir relocation.

ENGINE

You can get any combination of engine

Can't get a works ride? Dave Miller will set you up with your very own works replica YZ80. Handcrafting and meticulous detailing separate the C-27 from its production offspring. The word "trick" doesn't do it justice.



\$3000
MINIBIKE

www.legends-yamaha-enduros.com

"We only do Yamahas"

WORLD'S TRICKEST YZ80



An aluminum "works-style" tank matched to a side-mount radiator give the C-27 its distinctive factory look.



Miller will port your cylinder for any combination of power, from mild to wild, your little heart desires.



"Lowhang" triple clamps are mounted to CR80 forks up front. Upside-down forks are planned for the future.



With the radiator weight off the front forks, handling through corners is first-rate.

modifications to suit your needs, from standard porting (cleaning and matching the cylinder and modifying the intake timing and exhaust port) to the deluxe "10 Port" blueprint job (includes all of the above in addition to adding boost ports and modifying the exhaust and cylinder head). A 35-piece "tuned" pipe for the 10 Port cylinder is also available. The bike we tested used the 10 Port power package and handmade 35-piece pipe.

Dave will make any combination of power and handling the rider wants. An "Animal package" 105cc big-bore kit is available for larger mini riders or racers wishing to ride in that class.

Reshaping the carb flow characteristics modifies the stock 26mm carb's flow rate, making it equal to that of a 29mm carb. Miller offers this option for \$35 to interested Yamaha riders.

(continued on page 65)

www.legends-yamaha-enduros.com



COMPLETE C-27 PACKAGE RACER / \$2 YZ80 VERSION: \$3000
PERFORMANCE MODIFICATIONS OFFERED SEPARATELY:

- Standard porting \$125 (your cylinder)
- 10 Port blueprint \$200 (your cylinder)
- De-seam and modify stock YZ exhaust pipe—for std. porting \$90 (your pipe)
- 35-piece "tuned" pipe—for 10 Port blueprint \$160 (with silencer)
- Reshape your carb for increased flow \$35 (your carb)
- Animal package 105cc kit \$300 (standard porting)
- \$435 (10 Port with handmade pipe)
- Stock monoshock mod \$200 (your shock)
- Fork mod \$45 (your damping rods)
- Trick "Day-Glo" orange mud bump works seat \$3000 (comes attached to the C-27 replica)

One added note: Dave Miller only does Yamahas, so if you have a Suzuki, Kawasaki or a Whatchamacallit, you're going to have to find someone else to make your bike trick.

ADDRESS: DAVE MILLER MINICYCLES
 1437 West Collins
 Orange, California 92621
 714-532-3270

\$3000 MTNBIKE
(continued from page 57)

SUSPENSION: FRONT

With the extra weight off the front end, the stock Yamaha forks' performance shapes up considerably, especially since the engine coolant is no longer beating the steering head, thereby increasing fork pressure buildup. Still, the 30mm Yamaha tubes tend towards flexing. On the bike we rode, Miller was using CR80 Honda forks with hand-machined billet "low-hanger" tripleclamps, which gave the forks a better bite and a wider stance. Travel was 8-5/8 inches. Different spacers and modified damping rods had the C-27's forks offering the utmost in plushness. Action and feel were excellent.

For the '83 YZ80s, Miller plans to use an upside-down fork he's currently working on. He does not plan to offer the upside-down forks for the '82 model, as the technical difficulties offset any advantage in function.



Sailing the C-27 off the gnarliest jumps is child's play, even for a full-size guy like Dave Miller.

SUSPENSION: REAR

First, the stock swingarm is replaced with a chromoly unit that weighs 1.5 pounds less and is stronger than stock. Miller then modifies the stock monoshock to get 9.5 inches of travel. He uses the standard spring, but completely revalves the shock and uses a specially machined piston and plastic piston rings on the shock. A hardened shaft 25mm larger replaces the stock shaft. A larger aluminum reservoir from a Honda shock also replaces the stock Yamaha steel unit.

WHAT KIND OF RIDE IS IT?

As a package racer, the Concept 27 YZ80J is the next best thing to a factory ride. Power is strong and progressive, and is well suited to the plushness of the suspension. It floats across the gnarliest-looking whoops with the greatest of ease. It has none of the '82 YZ's bad habits (namely, its tendency towards climbing out of berms). The front end steers precisely and tracks straight.

If we had \$3000 to spend on a cycle, would we buy one?

We sure as shootin' would. ■

DIRT BIKE 1983 CALENDAR

SPECIAL U.S. STARS COMMEMORATIVE CALENDAR

ALL COLOR ACTION SHOTS

LACKEY-LAPORTE
HANSEN-HANNAH
BARNETT-GLOVER
O'MARA & MORE

DANNY LAPORTE
WORLD CHAMPION

CONOR HANSEN
WORLD CHAMPION

BRAD LACKEY
WORLD CHAMPION

THE ALL NEW SPECIAL U.S. STARS COMMEMORATIVE DIRT BIKE 1983 CALENDAR

FEATURING: FULL-COLOR ACTION SHOTS OF THE NEW AMERICAN WORLD CHAMPIONS— "BAD" BRAD LACKEY & "DAZZLING" DANNY LAPORTE.

Full-color action of Hansen, Barnett, Hannah, O'Mara, Glover, Guerra & more. There's also interviews of the top U.S. stars, birth dates of MX celebrities, interesting & humorous MX facts and wrap-ups of World Championship battles. Special sections are provided each month for you to record your racing results. Don't get left behind! Get your all-new, hi-zoot, special edition, U.S. Stars Commemorative Dirt Bike 1983 Calendar now!

ORDER YOUR COPY DIRECT!

Make checks & money order payable to: **DIRT BIKE 1983 CALENDAR** • Box 217 • Encino • CA • 91436

Please send me _____ copies of the **DIRT BIKE 1983 CALENDAR** @ \$2.50 each.

Please enclose \$2.50 plus 75 cents postage and handling for each copy ordered. Canada add \$1.50 and all other foreign add \$2.50 postage and handling for each copy ordered. All items will be shipped by surface mail. U.S. funds, please. MXA 12-2

Name _____

Address _____

City _____

State/Zip _____

NEW! PUTOLINE RACING OILS!
New Putoline Racing Oils offer you unmatched performance on the track and at the pump. Putoline is produced in Europe where Quality comes first. If you pay for your own care it will pay for you in the future. Ask your dealer or order direct. A reply is acceptable.

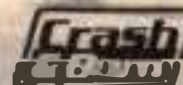


WORLD CHAMPION TWIN AIR!
Original Twin Air Filters from Holland are unmatched in filtering ability and performance. Brad Lackey and Andre Malherbe know the difference. When used with Putoline filter oil as recommended by Twin Air, you have Flow Proven unexcelled performance. Start the season with Putoline Oils and a Twin Air filter system. You will really increase your performance while decreasing your parts bill.

WPRACING - The Spirit of Champion
1300 Robertson Lane - Midland, Ohio 44868 • (513) 422-5522

DOES THIS LOOK FAMILIAR? **TWICE THE FUN WITHOUT THE PAIN!**

This could be you, caught unaware by the eye, legged, over stressed DIRT BIKE lens.



Please send me _____ copies of the new February **Crash Burn**.

NAME _____

ADDRESS _____

CITY/STATE/ZIP _____

Make check or money order payable to: **CRASH BURN** • February 1983 • Box 217 • Encino • California • 91436

Please enclose \$2.50 plus 75 cents postage and handling for each copy ordered. Canada add \$1.50 and all other foreign add \$2.50 postage and handling for each copy ordered. All items will be shipped by surface mail. U.S. funds, please. MXA 12-2