

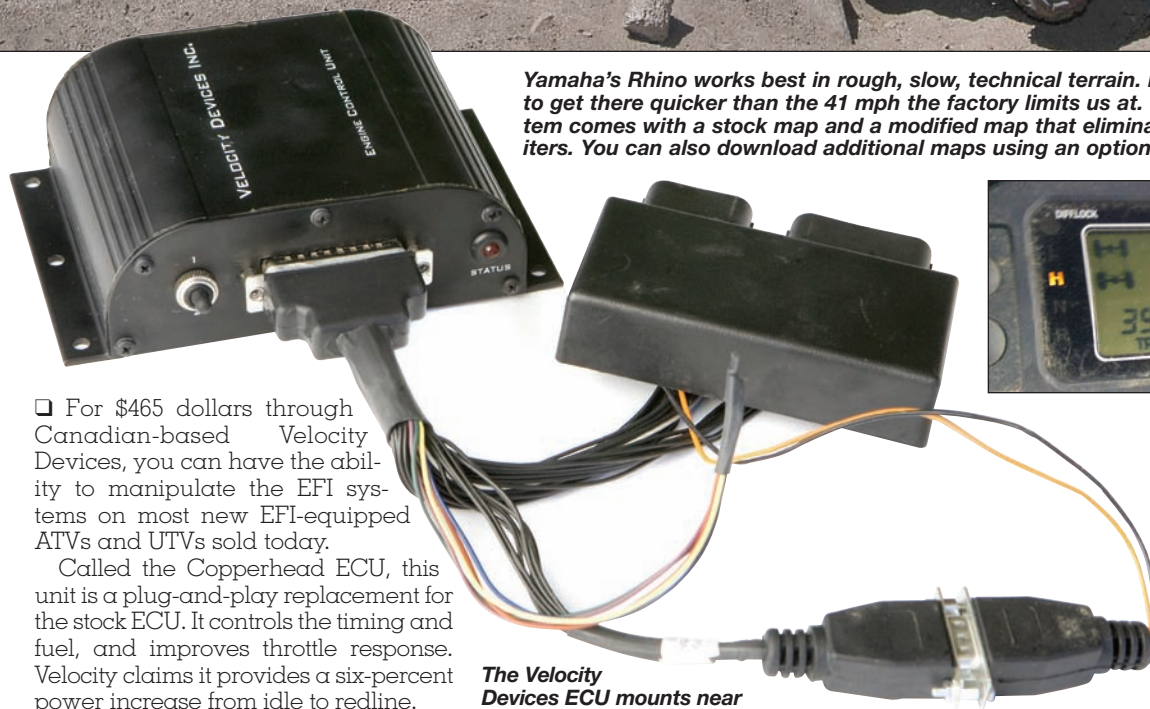
PRODUCT EVALUATION

VELOCITY DEVICES ECU

Installed on the
Yamaha Rhino

By the Staff of Dirt Wheels

Yamaha's Rhino works best in rough, slow, technical terrain. However, we like to get there quicker than the 41 mph the factory limits us at. The Velocity system comes with a stock map and a modified map that eliminates the rev limiters. You can also download additional maps using an optional USB connector.



□ For \$465 dollars through Canadian-based Velocity Devices, you can have the ability to manipulate the EFI systems on most new EFI-equipped ATVs and UTVs sold today.

Called the Copperhead ECU, this unit is a plug-and-play replacement for the stock ECU. It controls the timing and fuel, and improves throttle response. Velocity claims it provides a six-percent power increase from idle to redline.

The ECU also allows the speedometer to be recalibrated for different tire sizes and fuel, and can be adjusted for aftermarket camshafts and pipes (which requires an optional USB interface at \$60).

PLUG & GO PLAY

With any electronic or fuel manipulation device, we always take an initial test run with the machine before the installation to make sure it is running properly. We usually carry the stock part with us after the new part is installed, again, just for peace of mind.

When we installed the unit in our 2009 Rhino 700, we saw its top speed jump from 41 mph to 50 mph. It does this by raising the electronic rev-limiter from 6600 to 8000 rpm. The device also eliminated the low-range rev lim-

The Velocity Devices ECU mounts near where the old system rests in the battery box. In fact, the instructions say to just slip the large part with the fins under the rubber battery hold-down strap.

iter, diff-lock speed limiter and the reverse speed limiter. The Rhino had no hesitation when starting or back-firing when we turned it off like we see with some units.

This is exactly what we wanted the product to do. The stock-governed speed of the Rhino is a hair too slow for our heavy throttle feet. Gaining five or ten mph increases the fun factor in the Rhino by 50 percent. There is nothing worse than a machine telling a skilled driver or rider how fast he should go. Now we can put the pedal to the metal and keep it there as long as we wish.

We gain almost 10 mph by just installing the Velocity product. Along with additional clutch and motor mods, speed increases can be even greater.

As with all of the Velocity ECUs, the Rhino part has provisions to hook up shift lights, a tachometer and kill switch. Installation on the Yamaha only took about 15 minutes and was pretty straight-forward. However, we do wish the main unit could be mounted a little more securely, rather than just stuffing it under the rubber battery hold-down strap. If it had longer wire connections we could mount it near the stock ECU location or even in the glove box.

Next, we will install a unit on our project Teryx and play with more of the tuning capabilities and the tire-size compensator. Stay tuned or contact Velocity Devices at (403) 668-7470 or www.velocitydevices.com. Tell them *Dirt Wheels* sent ya. □