

Electronic Jet Kit™ Instructions



Thank you for choosing the Dobeck Performance Electronic Jet Kit for your Yamaha Grizzly 700/550. This product is a perfect fit for stock ATV's. It is also, capable of handling the fuel needs of pipes, air intakes, and a variety of head porting. This technology interfaces with your ATV's ECU. The result is injection with carb tuning logic. Giving you the equivalent of enriching the pilot jet and mixture screw, (pot under the green light) raising the needle, (pot under the yellow light) and then install a larger main jet, (pot under the red light).

Due to the wide variety of applications we try to be very generic with our instructions, so if you need further assistance with an install call technical support at 1- 877-764-3337 or see our web site at www.dobeckperformance.com.

TOOLS REQUIRED

- Small flat bladed screw driver
- 10mm wrench
- 4mm allen wrench

Some vehicles modifications with Techclusion Inc. products must not be used on public roads and in some cases may be restricted to close course competition. Those products not identified as US EPA legal are intended for off-road or marine applications only. Not intended for use ON emission controlled vehicles.

Grizzly 700 Installation Instructions

1. Remove the seat.
2. Remove the battery cover by lifting up (Fig 1), then remove the 4 plastic fasteners from the fuel tank cover (Fig 2) and remove.
3. Remove the plastic fasteners (Fig 3 & 4) and 4mm allen socket head (Fig. 5) from the left and right side panels, along with the dipstick access panel. (Fig 4).
4. Route the Tfi wires along the right hand side of the ATV (fig 6) and down between the fuel tank and the cross member towards the injector.
5. Now locate the fuel injector from the left hand side of the ATV (fig 7).
6. Unplug the stock grey fuel injector connector. Plug the Tfi grey connector onto the injector and plug the stock injector connector to the black Tfi connector (fig 8)
7. Attach the Tfi ground wire (black) to one of the fuel tank 10mm mounting bolts.
8. Remove the rubber plug. Turn the ignition key to the ON position and the kill switch in the run position you should see a flashing green light in the Tfi for a few seconds then go out. If you do not see a green light re-check your connections and ground. *For install and tech help call our tech line 877-764-3337.*
9. Reassembly is the opposite of disassembly.
10. While looking at the Tfi start the ATV, you should have a solid green light with a flashing yellow with yellow light going out in 10 seconds. This means everything is working well. Apply Velcro patch to the back of the Tfi and mount to the ATV see fig 8.
11. Now go ahead set the Tfi to the recommended settings that best matches the modification done to your ATV.



Tuning

We suggest that you set your pots to the setting that best matches your bikes modification. Further adjustments can be made by first having your ATV fully warmed up. Then with a screwdriver in hand, locate the green light and the pot right below it. Raise the RPM up to a high idle with the throttle or about 1800-RPM if you have a tach. Once there, slowly turn the green pot clockwise from the 1:00 position (or off) until you achieve the highest RPM and smoothest running sound (just like you would if you had a mixture screw on a carburetor). We have found the 1:30 position to work very well on a stock Grizzly.

Next locate the yellow light and the pot below it. This pot controls how much fuel you are adding during acceleration. Anytime you see a solid yellow light, it is adding fuel. Test ride your ATV in low or high with the fwd in the off position and take notice of the rate of acceleration. Increase the yellow pot 1 clock position and repeat the acceleration test mentioned above. Keep turning up the setting until you feel there was no improvement and return to the last setting where you did notice an improvement. We have found the 3:00 position is a good place to start with a stock Grizzly.

The red light pot is for your main jet fuel adjustment. The more you turn the pot clockwise, from the 1 o'clock position, the more fuel you add. All we can say about setting up this pot is use the base setting that comes closest to your bikes modifications. Then use the same method you used, setting up your carbureted bikes. We have found the 3:00 position is a good place to start with on a stock Grizzly.

The RPM switch controls when the red light comes on. The more you turn it from the one 'o clock position the higher the RPM before the red turns on. In the testing we have done the best place to start is at the 5:30 position.

Troubleshooting

First it is important that you understand that all modern day fuel injected ATV's have a big advantage over carbureted ATV's. Fuel injected ATV's all have the same exact fuel curve and is corrected everyday by the on board weather station. Which means your ATV fuel map is either ideal or it needs a little. Just like jet kits did for you for years. If you find that anything you do with the pots make it worse, stop and check these possibilities:

1. Engine not fully warmed up.
2. A vacuum leak on the intake.
3. Fouled spark plug.
4. High lift cams affecting map at light loads and low RPMS.

If you have any problems or questions just call our tech support line at 877-764-3337.

Electronic Jet Kit™ Instructions



Figure 1

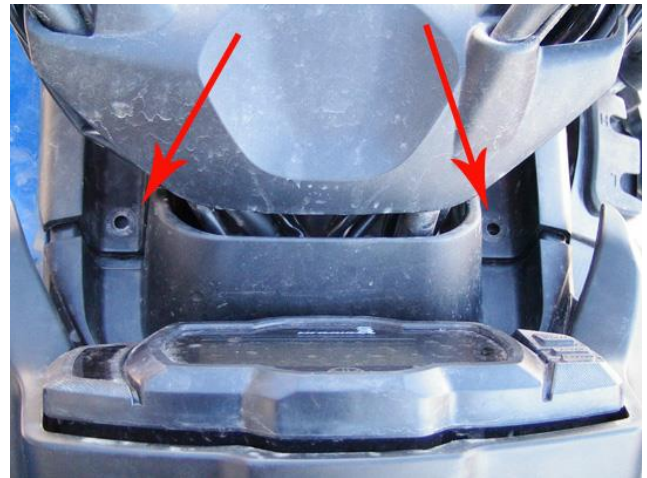


Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

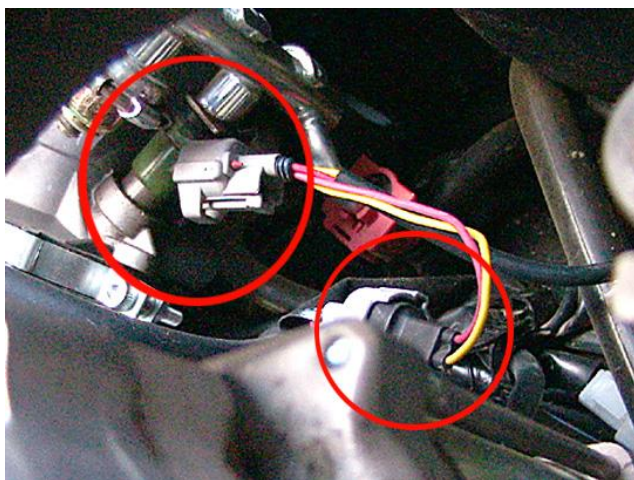


Figure 7

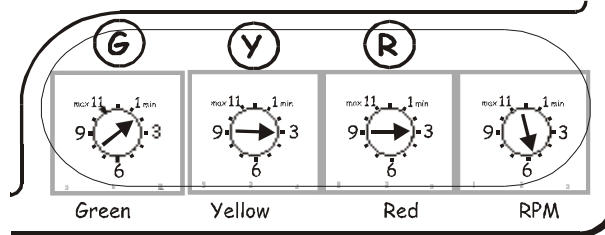


Figure 8

To view larger images please go to www.dobeckperformance.com



Grizzly 700 Stock



2-year Unlimited Mileage Warranty

Techlusion warrants that this product carries a warranty for 2-years from date of purchase against original defects in materials and workmanship. Should this product fail to perform for either of the above reasons, Techlusion will repair or replace it with an equivalent product at no charge, except for postage, to the original retail purchaser.

*****IMPORTANT*****

To obtain the benefits of this warranty, the retail purchaser must first call 1-877-764-3337 to obtain a Return Authorization Number, then send the product with proof of purchase and postage prepaid to:

**Dobeck Performance
157 Progressive Dr.
Belgrade, MT 59714**