

Electronic Jet Kit™ Instructions



Thank you for choosing the Techlusion Electronic Jet Kit, the TFI. This TFI is usable for the following models:

- **Polaris Victory 2008-2014 – ALL MODELS**

This product is a perfect fit for stock bikes with exhaust and intake mods. It is also capable of handling the fuel needs of big bore kits, light cams, and a variety of head porting.

This is an Electronic Jet Kit. Like jet kits in the past, the more you modify, the more responsibility you take in getting your fuel curve right. Visit www.dobeckperformance.com for more information about the controller.

Due to the complexity of the newer motorcycles, dealer install may be required. If you need assistance with the install or tuning, call technical support at 1-877-764-3337 or visit our website at: www.dobeckperformance.com

INSTALLATION/TOOLS REQUIRED

- **This is about a 45 minute install time.**
- **The tools needed to disconnect the negative terminal of the battery.**
- **The tools needed to remove your seat, fuel tank and/or side cover (if necessary).**
- **The tools needed to gain access to the injectors (located at/or near the throttle bodies on the intake).**
- **Last but not least a small screwdriver.**

Some vehicles modifications with Techlusion 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.

WARRANTY:

This product is warrantied for 2 years from original date of purchase against defects in materials or workmanship. The customer must provide a valid proof of purchase to obtain the benefits of the warranty. Any modifications of the controller (cut wires, soldered wires, extensive abuse, etc.) will void the warranty. Please contact the manufacturer to obtain a RMA number in order to return the product.

INSTALLATION- Vision Models

Please call tech support with any questions.

1. **Before installing the TFI you must first disconnect the negative lead from the battery.**
2. **Determine a location for the TFI unit. Suggested locations are as follows: Under the rear console cover, in front of the seat**
3. **Making sure your motorcycle is cold; remove rear console cover, seat, side covers and coil over as per OEM service manual.**
4. **Run the TFI injector leads up the left side of frame/ air box with the OEM harness to the injectors.**
5. **The TFI comes with a male and female injector connector for each injector. Disconnect the OEM injector connector from the rear injector and replace it with the female injector connector from the TFI then plug the male injector of the TFI into the OEM injector connector. Repeat this for the front injector. When installed properly, the TFI will be connected in between the OEM injector and the OEM injector connector.**

NOTE: the injector leads are not front and rear specific and can be hooked up either way

6. **The O2 sensors need to be unplugged and the harness securely fastened to the frame with zip ties provided.**

NOTE: It is a good idea to allow a little slack in the harness to prevent engine vibration from damaging/ breaking a wire on the connectors

7. **Using zip ties, secure all wire leads and connectors away from the exhaust system, any sharp edges and places that can cause wear over time.**
8. **Replace the coil, side covers and fuel tank making sure that all mounting bolts are in place and fuel connections are correct**
9. **Run the TFI ground wire back to the ECM, connect the ground wire to the same location as the ECM ground wire on one of the ECM mounting bolts**

Tuning

(At any time during install or tuning please call us for any and all help, we can't help if you don't call)

Green LED pot(1st): Air fuel mixture screw adjustment. With TFI installed and the bike fully warmed up, screwdriver in hand, locate the green LED and the pot right below it. Using the throttle, raise the RPM to a high idle or about 1800-2000 RPM. Once there, slowly turn the green pot clockwise from the 1:00 position (off) until you achieve the highest RPM and smoothest running sound (like a mixture screw on a carburetor). You should find the best setting between 1:30 and 3:30 o'clock.

Yellow LED pot(2nd): Acceleration fuel adjustment. This pot adjustment acts as an accelerator pump adjustment. Anytime you see the light on, it means that this pot is adding fuel. You will notice that you can take the RPM slowly up to 3000-4000 in neutral and see no yellow light but whack the throttle wide open quickly and you see the yellow light come on. Try to add as much as you can until the bike says it is too much then back off two clock positions. This yellow pot adds most of its fuel below 4000RPM and full throttle acceleration

Red LED pot(3rd): Main jet fuel adjustment. It adds about 3 jet sizes per clock position. For example: One clock position is the same as 170 to 185 main jets. Start with the suggested setting and then use the same method used for tuning carbureted bikes or refer to (Full Throttle) section.

RPM pot(4th): Sets rpm that the red LED pot (main jet fuel) turns on. One clock position is roughly 1000 RPM. The more you turn it from the 1 o'clock position, the higher the RPM before the red turns on

Troubleshooting

First it is important that you understand that all modern day fuel injected bikes have a big advantage over carbureted bikes. Fuel injected bikes all have the same exact fuel curve and is corrected everyday by the on board weather station. Which means your motorcycle fuel map is either ideal or needs a little.

Solution:

1. Engine not fully warmed up.
2. A vacuum leak on the intake.

POOR MILEAGE

Solution:

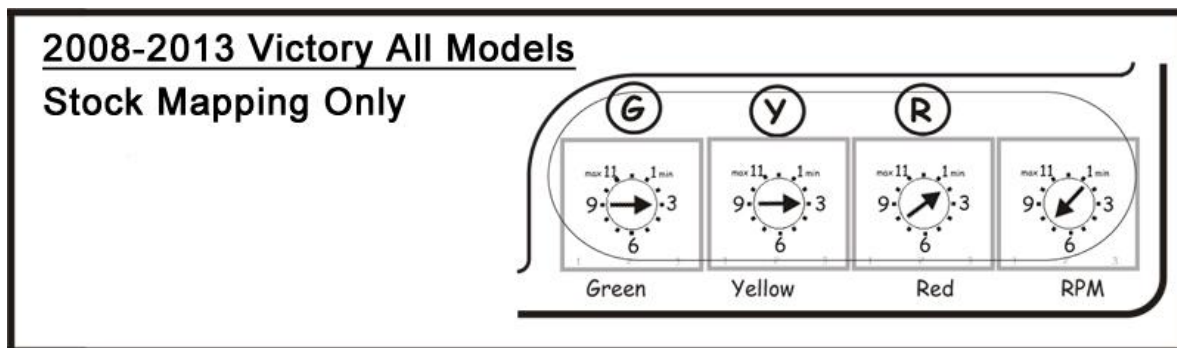
1. **Check your green pot setting. This setting is generally responsible for 90% of your mileage. In the hundreds of installs performed, we have never gone beyond the 4:00 setting. Try backing down the green setting slightly. You can slightly lower the yellow and red settings also.**
2. **RPM pot adjusted too low. Make sure the red LED is turning on no lower than 70-75% of the maximum rpm.**
3. **Make sure your engine passes the 1800-RPM test at the beginning of the troubleshooting chapter. If you still have mileage issues call tech support at **877-764-3337** or **406-388-2377****

FULL THROTTLE

Simply add or subtract fuel with the red light pot to determine if the problem is better or worse. This lets the engine dictate additional adjustments or call tech support at 877-764-3337.

BASE SETTINGS

The dials are to be adjusted like a wall clock. Range is from 1:00 –11:00.





2-Year Unlimited Mileage Warranty

Techlusion warrants that this product carries a warranty for 2-years from date of purchase against original defects in material 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 purchaser.

*******IMPORTANT*******

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

**Dobeck Performance
157 Progressive Drive
Belgrade, MT 59714**

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