

Electronic Jet Kit™ Instructions



This kit fits all

F/M 700-800 series, EFI ZR's & Mountains. 2006 F/M700 and '07-'09 F/M800 will need some connector re-pinning so we do recommend that a dealer perform the install.

This technology interfaces with your fuel injected snowmobile 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 dobeckperformance.com.

This product is capable of handling the fuel needs of pipes, air intakes, and a variety of porting and Big Bore Kits.

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.

TOOLS REQUIRED

- This is about a 5-minute install time.
- You will need a large straight screwdriver or a 10mm socket.
- Pick or Tweezers.
- And a small screwdriver.





Installation

Note: LH and RH refers to the pin location from the back of the connector (see figure 1). PTO=LH, MAG=RH cylinder

1. Snowmobiles '05 and older, locate the injectors shown in figure 5, 6 (for M-7 & F-series fuel injected sleds), and figure 7, 8 (for the 800 & 900 EFI's) go to step 3.
2. Snowmobiles 2006 F/M7 & Crossfire you need to re-pin the Cat's injector connector. Go to step 2a. For '07-'09 M/F8's & Crossfires\ go to step 2b.
3. Next, depending on your snowmobile do the following:
 - a. For 2006 F/M7 and Crossfire you must re-pin the PTO connector only.
 - b. For '07-'09 F/M8's & Crossfire you must re-pin both, unplug the factory injector connector off of the PTO injector. Next you need to remove the connector's pins by taking a small pick type tool and from the front of the connector gently pry up the pin's locking device (see figure 2) while at the same time gently pulling on the corresponding wire. (See figure 3) Repeat on remaining pin and MAG injector. Then reinsert the Green/Red on the LH and Green/Black RH PTO. (See figure 4) MAG connector yellow/red LH and yellow/black RH.
4. Now connect the Tfi's yellow and white/yellow wired connector group to the sled's PTO injector, repeat for remaining cylinder.
5. Then place the black wire on the TFI box to a ground on the snowmobile Chassis.
6. Find a good mounting location for the box. Try to find a spot away from excessive heat and moisture.
7. Start the snowmobile.
8. You should have a solid green light with a flashing yellow. The yellow will flash for 10 seconds or less, then you will just have a solid green light. This insures all connectors are good.



Tuning

We suggest that you set your pots to the setting that best matches your snowmobiles modification. Further adjustments can be made by first having your snowmobile fully warmed up. Then with a screwdriver in hand, locate the green light and the pot right below it. 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).

Next locate the yellow light and the pot below it. 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 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 snowmobile says it is too much then back off two clock positions. This yellow pot adds most of its fuel below full throttle acceleration.

The red light pot is your main jet. It adds about 5 points of a main jet for every clock position. For Example: one clock position is the same as 170 to 175 main jet. All we can say about setting up this pot is use the base setting that comes closest to your snowmobile modifications. The RPM pot controls when the red light starts to add (chosen RPM). I.e. 1:00 red on lower Rpm, 9:00 red on higher Rpm.

Troubleshooting: TECH SUPPORT 1-877-764-3337

Problems:

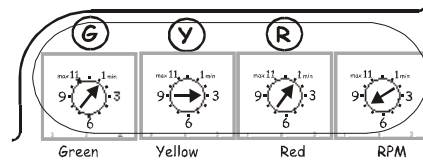
First it is important that you understand that all modern day fuel injected snowmobiles have a big advantage over carbureted snowmobiles. Fuel injected snowmobiles all have the same exact fuel curve and is corrected everyday by the on board weather station. Which means your snowmobile fuel map is either 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. Flashing Red LED. Tfi not seeing injector signal on one cylinder. Recheck all connections.
4. Flashing Green LED. Tfi not see any injector signal, but has power. Recheck connections.



If you still have issues call tech support at 1-877-764-3337

Arctic Cat (all stock)



Green 1:00
Yellow 3:00
Red 1:00
RPM 8:00

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.



Figure 1

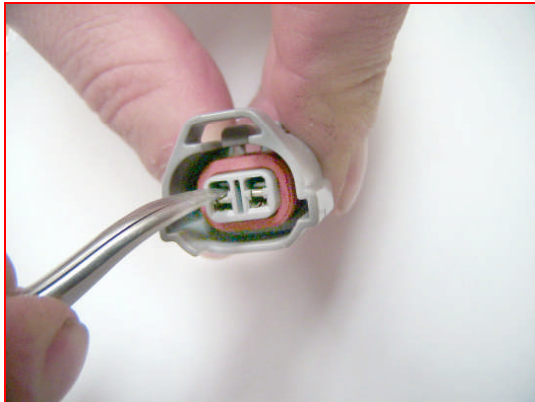


Figure 2

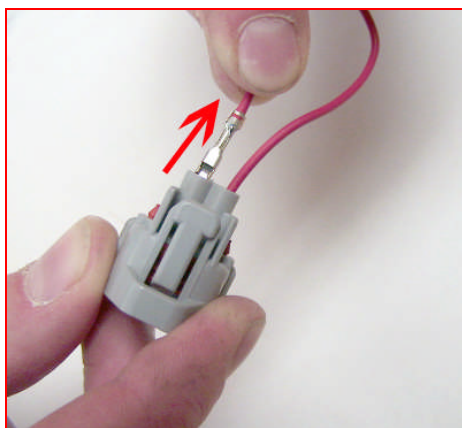


Figure 3

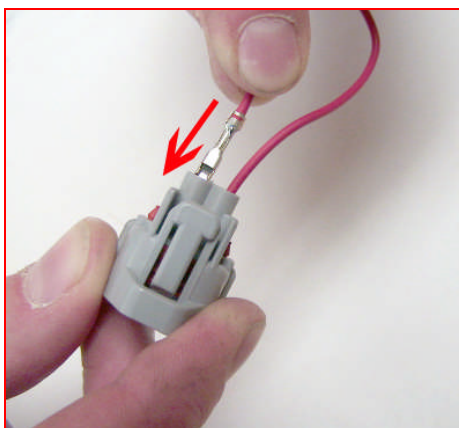


Figure 4

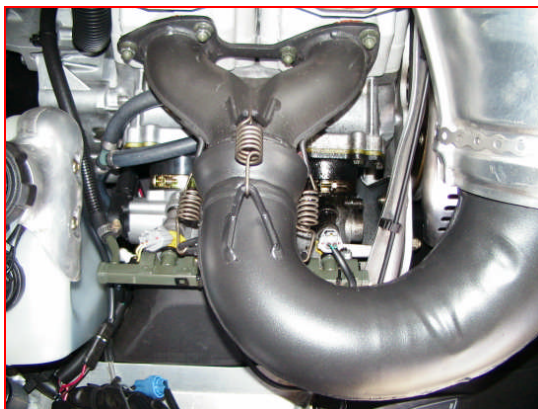


Figure 5

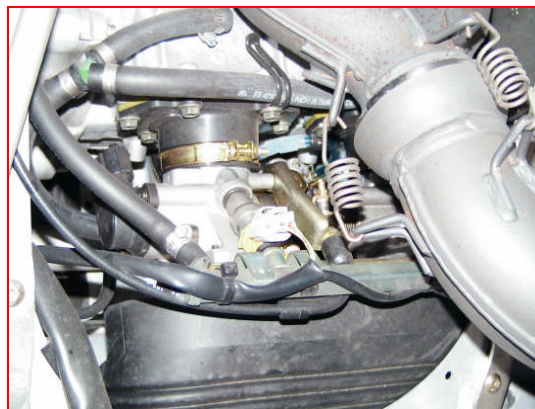


Figure 6

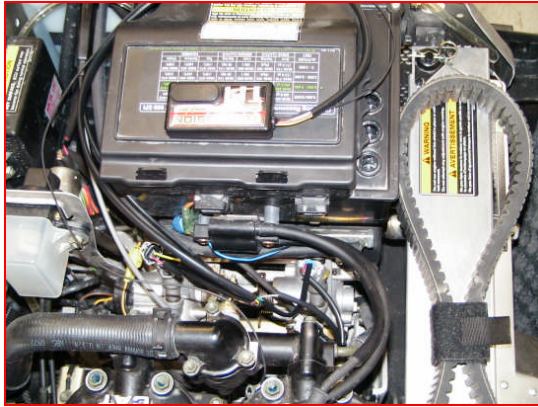


Figure 7

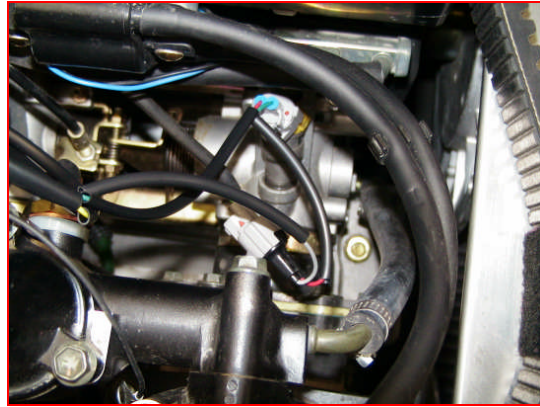


Figure 8



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 * * Important * ***

To obtain the benefits of this warranty, the retail purchaser must send the product with proof of purchase and postage prepaid to:

Dobeck Performance
157 Progressive Dr Belgrade, MT 59714

Phone 877-764-3337 or email info@dobeckperformance.com