

Electronic Jet Kit™ Instructions



Thank you for choosing the Techlusion Electronic Jet Kit for you're Polaris Snowmobile.

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. If you find that your modification requires you to max out our pot adjustment, contact us and we can get you a custom chip.

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 60-minute install time.

➤ You will need a 7/16" Wrench

➤ 7/16" and 9/16" sockets

➤ Long needle nose pliers

➤ #5 Allen Wrench

➤ #27 Torx Bit

➤ Spring Tool





Due to the complexity of installation please refer to our online installation video or have your local dealership install this product.

1. Remove both side covers off the sled.
2. Remove the air box.
3. Locate and unplug the injector wiring harness connector located on the left hand side of the sled from riding position (it is laying on top of the bulkhead under the jackshaft. It has yellow tape around the wire loom). (See figure 1 and 1a).
4. Plug in the TFI directly to the factory wiring harness connectors (keep wires away from moving parts).
5. Remove the exhaust system and heat shield.
6. Remove the brake caliper.
7. Locate and unplug the second injector connector located on the right hand side between the antifreeze bottle and the chain case. (See figure 2 and 2a)
8. Connect the black wire from the TFI to the snowmobile chassis for ground.
9. Mount the TFI in a dry place away from excessive heat using the supplied Velcro. (See figure 3)
10. Reassemble Sled.
11. Start the snowmobile. The green LED should now be on steady and the yellow will flash rapidly for about 15 seconds, and then go out. If the green or red LEDs continue flashing after startup please refer to the troubleshooting guide or call tech support at 877-764-3337.

Tech Tips:

1. We recommend the ground wire be connected to one of the Allen screws located on the pull start cover.
2. It is possible to install the right hand injector connector without removal of the exhaust system (it can be done by just removing the brake caliper).
3. Refer to figure 3 for recommended mounting location.

If you have any tech tips or questions please forward to snowmobiletech@dobeckperformance.com



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. All we can say about setting up this pot is use the base setting that comes closest to your Snowmobiles modifications. Then use the same method you used, setting up your carbureted Snowmobiles.

Troubleshooting

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.



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.

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.



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**

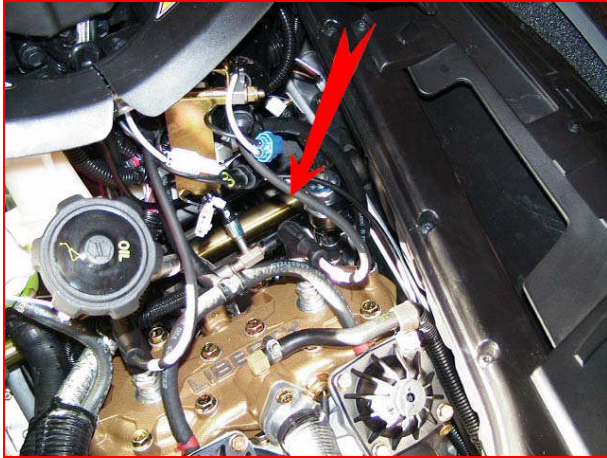


Figure 1



Figure 1a



Figure 2



Figure 3