

Electronic Jet Kit™ Instructions



Thank you for choosing the Techlusion Electronic Jet Kit, the TFI. The TFI is usable for fuel injected 4 cylinder Triumph's.

This product is a perfect fit for stock bikes with all exhaust and intake mods. It is also capable of handling the fuel needs of cubic inch 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. Going to www.dobeckperformance.com will help you obtain better high horsepower tuning.

This kit requires disconnecting the O2 sensor (if present) or used with O2 bypasses (sold separately)

TOOLS REQUIRED

- **This is about a 60-minute install time.**
- **The tools required to disconnect the negative terminal of the battery.**
- **The tools required to remove your seat and side cover (if necessary).**
- **The tools required to gain access to the injectors (located at/or near the throttle bodies on the intake).**
- **Last but not least a small screwdriver.**



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 seat, behind a side cover if present or in the tail section.
3. Locate the factory fuel injectors (see owners manual if you are not sure).
4. The TFI comes with a injector harness that matches the factory injector connectors. **There is no order to hook up the TFI harness to the factory harness just make sure the original factory connector goes to its' original cylinder.**
5. Disconnect the factory injector connectors from the fuel injectors and replace with TFI injector connectors from the TFI unit.
6. Connect the TFI ground lead to the negative terminal of the battery or a definite frame ground.
7. Make sure everything is reconnected on the bike.
8. With the rubber plug removed from the TFI, turn the motorcycle key switch to the “ON” position. As the bikes electrical system goes through initial start up mode you may see LED's flashing on the TFI for a few seconds then go out, this is normal.
9. Start the motorcycle. The green LED should now be on steady and the yellow will flash rapidly for up to 15 seconds, and then go out. If the green or red LEDs continue flashing after startup please refer to the “**TFI**” section in the troubleshooting guide or call tech support @ 877-764-3337.



Tuning

Green light pot(1st): Is an air/fuel mixture screw adjustment. So, with our box on and the bike fully warmed up, with a screwdriver in hand, locate the green light and the pot right below it. Raise the RPM up to a high idle or about 3000 RPM. 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). You should find that the best setting should be between 2:00 and 4:00. If you slowly turn on the green pot and the engine does not accept any more fuel (RPMs drop when adding fuel) then you may have one or more of these problems. (see troubleshooting **Motorcycle**)

Yellow light pot(2nd): Is 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 2500 in neutral and see no yellow light. By whacking the throttle wide open quickly you should 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.

Red light pot(3rd): Is your main jet. It adds about 2 points of a main jet for every clock position. For example, one clock position is the same as 120 to 122 main jet. All we can say about setting up this pot is to use the base setting that comes closest to your bike's modifications. Then use the same method you used, in setting up your carbureted bikes. Good Luck.

RPM switch pot(4th): All four cylinder models. Sets the rpm that the green fuel shuts off. This adjustment is achieved by setting the pot to 4:30 o'clock for 600cc and above multi cylinder sport bikes. Each clock position of this pot equates to about 1000 rpm's, so 4,500 rpm's would be half way between 4 and 5 o'clock. Verify this setting by revving the bike in neutral and watching for the green light to go out at the chosen rpm.

Troubleshooting

TFI

If the green LED is flashing by itself there is an incomplete connection with the injector connectors with the yellow & white leads from the TFI. If the red LED is flashing, there is an incomplete connection with one or more of the other three injector connectors leads from the TFI. Please confirm that the connectors and wires are firmly in place.

Motorcycle

(Order from most common to least common)

1. Engine not fully warmed up.
2. A vacuum leak on the intake.
3. High lift cams affecting map at light loads and low RPMS.
4. The loss of TPS and ECU sync.
5. Cylinder head temp sensor malfunction.



Problem poor mileage

Solution:

- 1. Check your green pot settings. In the hundreds of installs performed, we have never gone beyond the 4:00 settings. Try backing down the settings slightly.**
- 2. The RPM switch pot is adjusted too high. Make sure it's no higher than 5:00 o'clock setting, this means the green pot shuts off at 5000 rpm.**

Make sure your engine passes the 2000-RPM test at the beginning of the troubleshooting chapter.

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

FULL THROTTLE

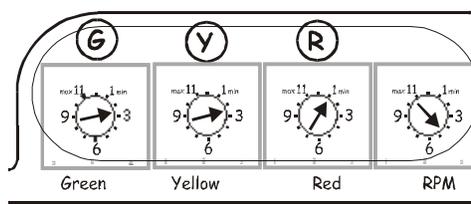
Simply add or subtract fuel with the red light pot to determine if the problem is better or worse. This lets the engine dictate additional adjustments or call tech support at 877-764-3337.

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.



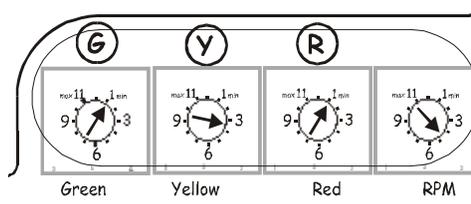
Triumph 4 cyl.

Without O2 sensor



Triumph 4 cyl.

With O2 sensor



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**