

# ***FiTech FAQ's***

## **EFI General**

### **Why are your systems so inexpensive?**

We like to answer that with another question. Why are the others so expensive? It's a throttle body, 4 injectors, a few sensors and an ECU. Not much there when you really break it down. Our OE ties allow us to source components at a great rate and our engineering is spread over many projects so it is not all rolled into the price of one system. We have been designing OE systems privately for 16 years and believe that the only way the EFI will EVER replace a carburetor is if the cost gets more reasonable. We have been working to make that happen and this is the first step. Expect more in the future ! Go EFI!!

### **Do I need any additional boxes i.e. MSD or firewall mounted driver boxes like the other brands?**

No, you don't, others claim to be all inclusive but you have to mount a box on the firewall for it to work and a CDI for the timing control to work. Plus the ECU that's on the throttle body. That's three boxes for one system! GO EFI is one throttle body that has EVERYTHING you need in one neat package.

### **Do I need to boost reference the fuel pressure regulator?**

Yes you do on blow through systems. On roots draw through blowers you do not.

### **Do I need to keep the Handheld controller connected at all times for the system to function?**

No, after initial setup you can disconnect the handheld and store it away for future tuning if necessary BUT it is such a cool feature to have you probably won't want to!

### **Do I need to tune my engine with the Handheld controller or are the factory settings good enough for my car?**

You only need the Handheld controller to do the initial setup of your system. After that, the computer takes over and provides you with a great factory set tune. You may want to "DIAL" it in for your particular application since it is easy and actually pretty fun and rewarding, but you do not have to!

### **Does your product correct for altitude?**

Yes, we have barro correction built in!

### **Does your system have the same type of cold start/ warm up qualities of new cars? i.e. start, stay running, higher idle , then come down to idle rpm in cold weather that we expect?**

FiTech is a group of OE engineers bringing you performance parts at an affordable price, and all of our new car ECU features are packed into our performance division products so YES, you can expect all of the new car performance out of the FiTech EFI products.

### **How do I change the MAP sensor for BOOST?**

You don't need to! The ECU is equipped with an onboard 2.5 bar MAP sensor good to 25 psi.

**Is there an advantage to putting the O2 sensor behind the X pipe to get a blended reading of both headers?**

That's a trade-off! While you would get a blended reading, the X pipe is far back in the system and would not react quickly. We find that one collector works fine and gives instant readings and fast response to the ECU. My vote is for the single collector!

**When would I use a CDI box?**

Use one whenever you would in a normal carbureted application. If you have one already, absolutely keep it! Our system works great with it. If you are expecting high RPMs, Boost, Nitrous... for sure you are going to want one BUT for the average street machine, you are fine without it. It's up to you and your HP needs.

**Where do I mount the computer?**

There is NO COMPUTER TO MOUNT! It is INSIDE the Go EFI under the FiTech logo where it belongs. No holes to drill and no harnesses to burn! The Perfect System!!

**Will this system fit an Edelbrock dual quad manifold?**

Yes, it was designed to fit them from the start.

**Fuel Command Center**

**Can I mount the Command Center in the rear of my vehicle?**

No problem, keep it safe and within the same areas you would mount and vent any aftermarket fuel tank or supply system like a fuel cell.

**Can I use an electric fuel pump to supply fuel to the Command Center?**

Yes, just make sure it is low pressure or regulate it down to 8 lbs or below.

**Can I use my stock fuel pump from my engine to supply fuel to the Command Center?**

Yes! There is enough storage in the tank to make a 700 HP 1/4 mile pass without any pump filling the tank! So it doesn't take much to maintain the proper level.

**Can I use the Command Center with other brand EFI systems?**

Yes, absolutely.

**Can this be used in an off-road type truck?**

It's a great option for an off-road vehicle, you will NEVER uncover the pickup until your tank is EMPTY!

**Do I need a return line?**

No return line is necessary BUT you can use one if you desire. There are options for plumbing the system both ways.

**Does the Fuel Command Center fit in my gas tank?**

No! this is not an in-tank unit! It is used to eliminate the need for complicated fuel system plumbing and tank modification. It mounts in your engine compartment and is fed low pressure fuel from your original carburetor pump. It then stores and boosts the pressure to EFI ready fuel pressure! Super simple and easy to do.

**How do I vent the Command Center?**

Please read the instructions for the best options for venting your Command Center. This is a very important step so do not skimp out. A hose to the ground is not a vent!

**How many HP is the pump good for?**

It has a 340 lph pump that is usually rated up to 1200 HP by most companies. Since we know that there is a lot that goes into this calculation, i.e. voltage , boost, pressure, filter, line length... we under rate ours to 800 HP to keep our customers safe. We build in a large safety factor in ALL of our products!

**How much fuel is stored in the Command Center?**

A little over 1 quart.

**How much INLET 'low' pressure should I have?**

3-8 lbs is perfect.

**Is the Command Center affected by heat? How close to the headers can I mount it?**

It's basically like a carb float bowl. You want to keep it as cool as possible. But it won't vapor lock. The cooler the better, cool fuel is preferred but under hood temps won't damage the system. Keep it as far away from the headers as possible!

**What are the advantages over an inline fuel pump?**

You will never uncover the fuel pickup and you don't need to run a return line. You can run down to the last drop of fuel without a single hiccup! This is the easiest fuel system you will ever use. Ask around about the inline pump issues and you will learn why we made these units.

**What if my engine doesn't have a place for a mechanical pump?**

You can use an electric low pressure inline pump 3-8 lbs to fill the tank.

**What is the fuel pressure of the pump?**

That is more the job of the regulator, on the Command Center the standard pressure is 4 bar or 58 psi. This is the Factory Preset for our Go EFI line of products. We offer 3 bar 43.5 psi replaceable regulators as an additional option for customers who might want to use the Command Center in conjunction with other brand EFI systems that may run a lower pressure. These regulators are easily changeable with 2 mounting screws and are available on our website under the " Accessories" section

**What kind of fuel lines and fittings are included in the kit?**

We supply EFI rated push lock hoses and black push lock -6 fittings. Also, nickel plated adapter fittings for many fuel pumps to convert to -6. Sorry, some pumps will require you to buy your own fittings, we can't supply them all!

**What micron filter is included in the kit and is it cleanable?**

It's a washable 30 micron high pressure EFI filter. Please follow the arrow for direction when mounting.

**Where is the best place to mount it?**

We like the inside of the radiator core support or the inner fender well. Something strong and flat. You can shim the brackets to make it level. You are a gearhead! You will find a good place!

**General**

**Are all of the sensors 'over the counter' replaceable?**

Yes! They are all GM style sensors while the O2 sensor is a Bosch wideband.

**Are these systems E85 compatible?**

Yes, but please reduce the output claims of the system by 25-30%.

**Can I adjust the fuel pressure on the Go EFI system?**

No you cannot, the regulator is non-adjustable.

**Can I set my fans to come on at different temperatures?**

Yes, easily with the Handheld controller under the Fan Control Menu.

**Can I use a laptop if I want to do additional tuning?**

Yes! BUT we recommend this for PROFESSIONAL TUNERS. FiTech is not a tuning school and we are not here to teach you how to operate laptop software. If you are a proficient tuner, you can do ANYTHING you desire with the laptop software including messing up your engine! If you are an amateur or even a well-rounded tuner you will have more than enough available at your fingertips, please stick to the Hand Held Controller. It is MORE than enough for 99.999% of users.

**Can I use the Power Adder #30004 if I'm not running boost or nitrous yet? But planning a future upgrade?**

Absolutely YES!

**Do I need a CDI box to control timing?**

No you do not. Our ECU can drive your coil directly, BUT it can also fire a CDI box if you have one or wish to use one.

**Do I need a laptop to tune the Go EFI fuel injection?**

No, you do not. Everything you need can be done through the Handheld Controller. Laptop software is available for Professional Tuners if desire, but it is NOT necessary!

**Do I need a special intake manifold to use your EFI system?**

No, you can use your existing 4 barrel intake manifold. The GO EFI is drilled to accept almost any bolt pattern.

**Do I need an external fuel pressure regulator?**

No, the Go EFI is the only system on the market with a built in fuel pressure regulator! Nothing to mount on your firewall!

**How do I set up the system for BOOST?**

It's already set to go when you buy the Power Adder or Go EFI 8!

**How many wires do I need to connect to start my car?**

Basic systems have 6 wires to connect. You can be up and running with 4 wires. Our most ADVANCED system has only 10 wires and that includes Nitrous and Dual fans, so it is a VERY stealth system!

**How much fuel pressure does the FiTech EFI run?**

Our internal regulator is preset at 58 psi and is non-adjustable. It is built into the throttle body and is non-adjustable to keep pressures consistent.

**If I am making 500 HP, can I use the 8 injector system on my engine?**

Yes, you can run the Go EFI 8 on engines making as little as 250 HP! If you are planning a future upgrade, do not be afraid to step up to this option, it will absolutely work fine on your lower HP engine while you plan that Big Build!

**If I have an HEI, can I use the timing control feature?**

No you cannot. You will be running what we call "Fuel only". You still have an awesome system and we love this setup due to the high reliability of the HEI so don't be afraid to keep yours if you have one. They are great units!

**Is the GO EFI self learning?**

100% yes! It is the fastest ,most accurate on the market!

**What do I need to adjust/set on the Handheld Controller to start my engine?**

The most basic entries are Engine Cubic inch, ignition type, and cam shaft size "mild-wild". You can set rev limits and fan temp turn on temperatures, but our factory settings are really good to get you running well. You can fine tune later if you desire easily with the touch screen controller.

**What is better - a dual plane or a single plane manifold?**

That is a better question for your engine builder - our systems work perfect on both so please choose the manifold that best fits your engine build.

**What is the advantage of Annular Discharge over the standard injector spray pattern?**

Complete Atomization with zero dry air!

**What is the lowest HP the Go EFI 8 1200 HP system will work on ?**

The 8 injector system will work on engines from 250-1200 HP.

**What kind of distributor do I need to control ignition timing?**

You need a 2 wire distributor 'locked out' ( this is easily done on MSD or equal distributors) like Summit or Jegs brands.

**What size air cleaner should I use?**

Use the same size air cleaner you would normally use for your carburetor.