

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



**KTM 500 EXC 2014  
F535**

## 1>READ

### WARNINGS > INSTALLING



- We strongly suggest that an experienced technician install this product.
- Read through all instructions before beginning installation.
- This document is intended for use by qualified technicians.
- This is not a replacement for the factory Engine Control Unit (ECU).
- Refer to a factory service manual for more specific stock component identification/location information and removal/assembly procedures.

### WARNINGS > USING



- Use only in race or other closed-course applications and never on public roads.
- Z-Fi products are not certified by the California Air Resource Board (CARB) for use on CA public lands.

### GETTING HELP



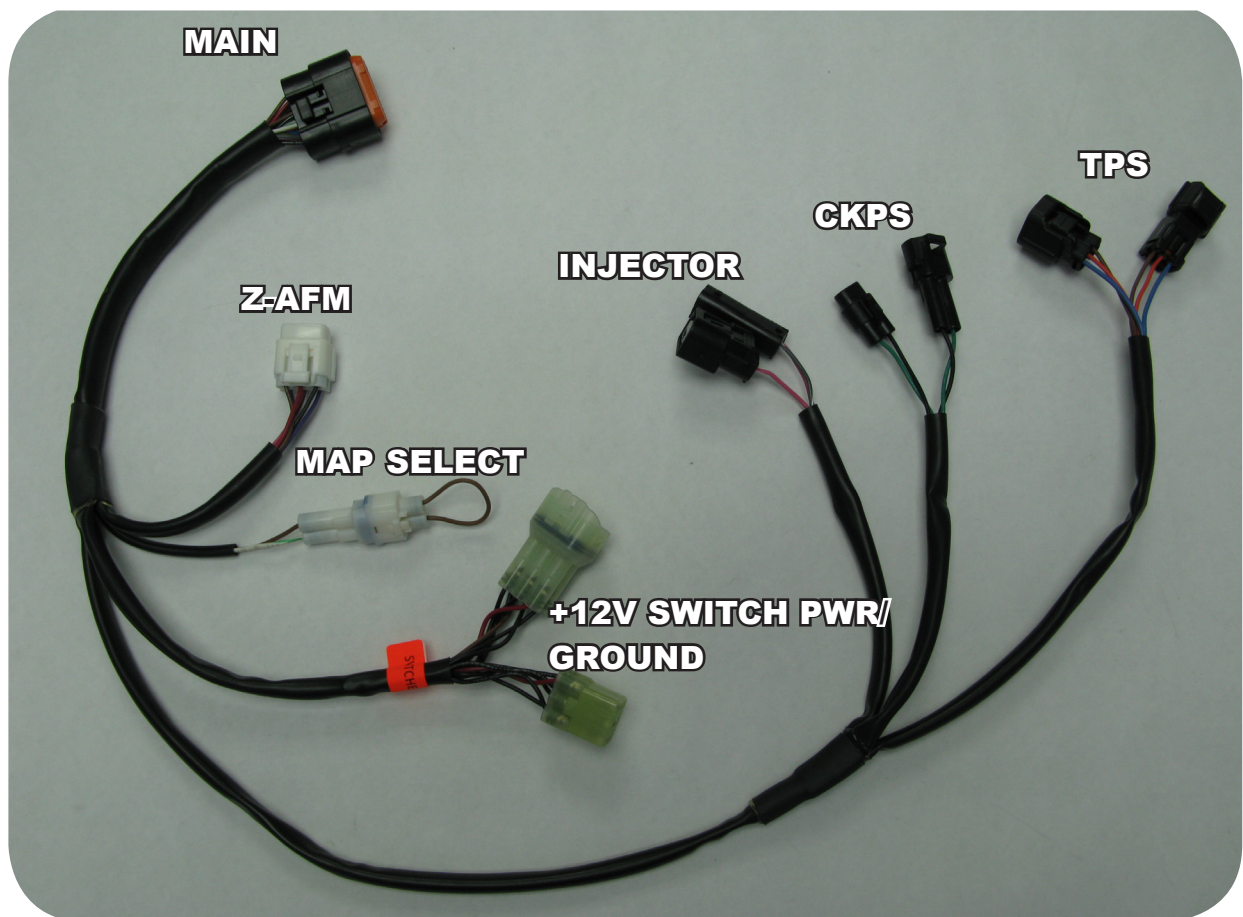
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net).

# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. USB cable
4. Velcro
5. Bazzaz stickers
6. Cable ties
7. Download Z-Mapper Software at [Bazzaz.net](http://Bazzaz.net)

## FUEL HARNESS



# 3> REMOVE

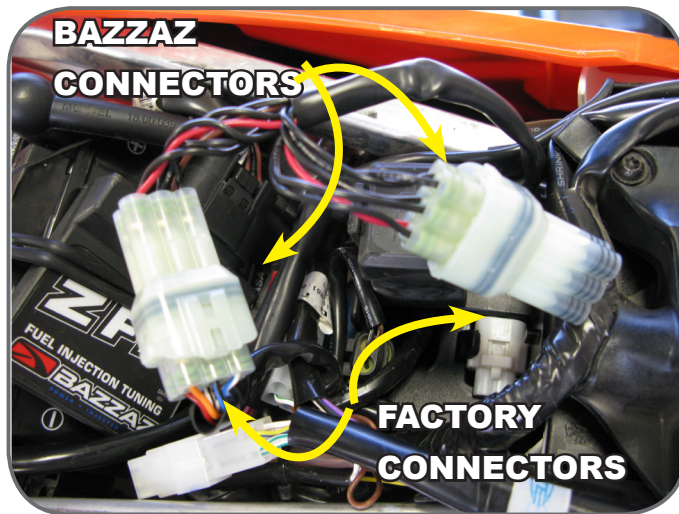
1. Rider seat
2. Radiator Shrouds
3. Gas Tank

# 4> SECURE

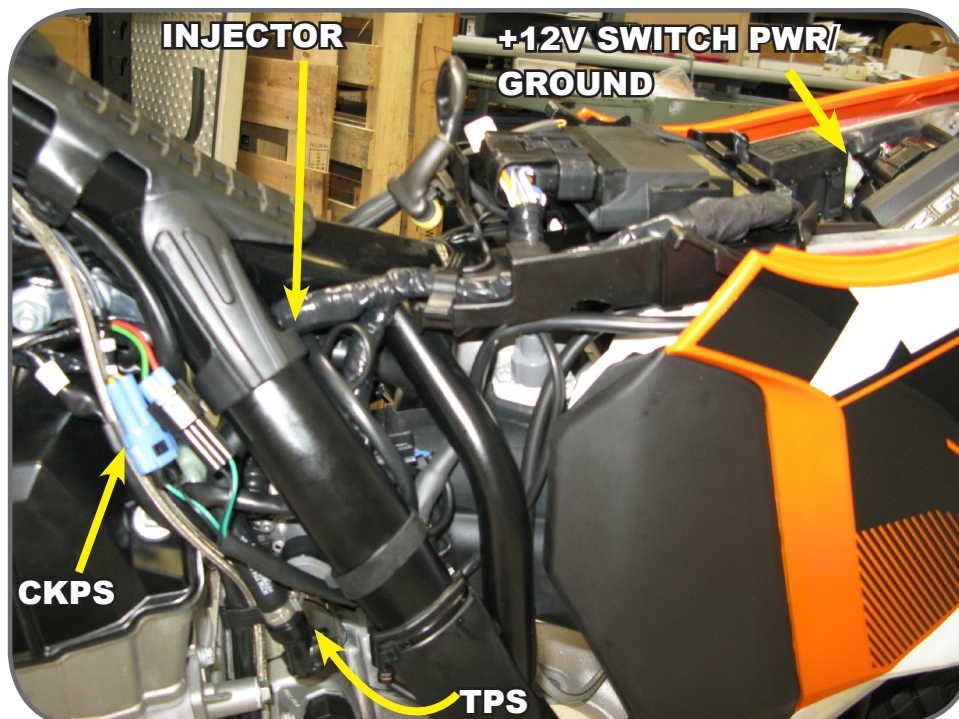


1. Using the supplied Velcro patch, secure the Bazzaz control unit to the front of the battery

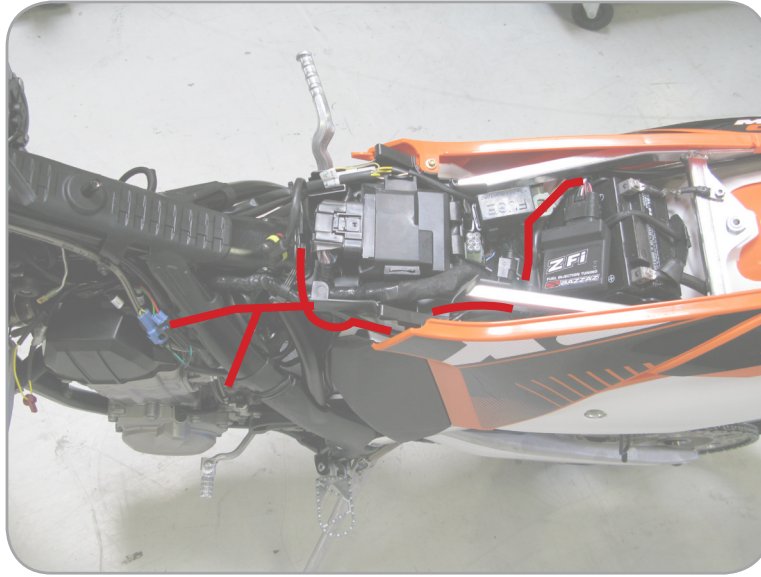
# 5.1 > CONNECT



1. Connect the Bazzaz fuel harness to the control unit.
2. Begin routing the harness forward, towards the engine on the left hand side, between the airbox and the subframe.
3. Locate the factory diagnostic six pin, clear connectors near the center of the bike (near the front of the battery).
4. Disconnect the factory connectors and install the Bazzaz switched power & ground connectors in line with the factory connectors.

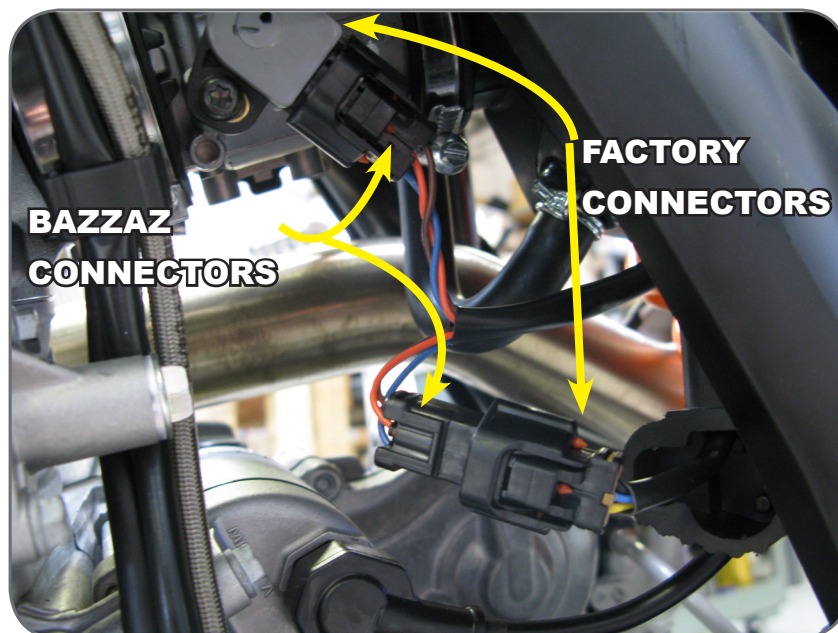


# 5.2>CONNECT (CONT.)



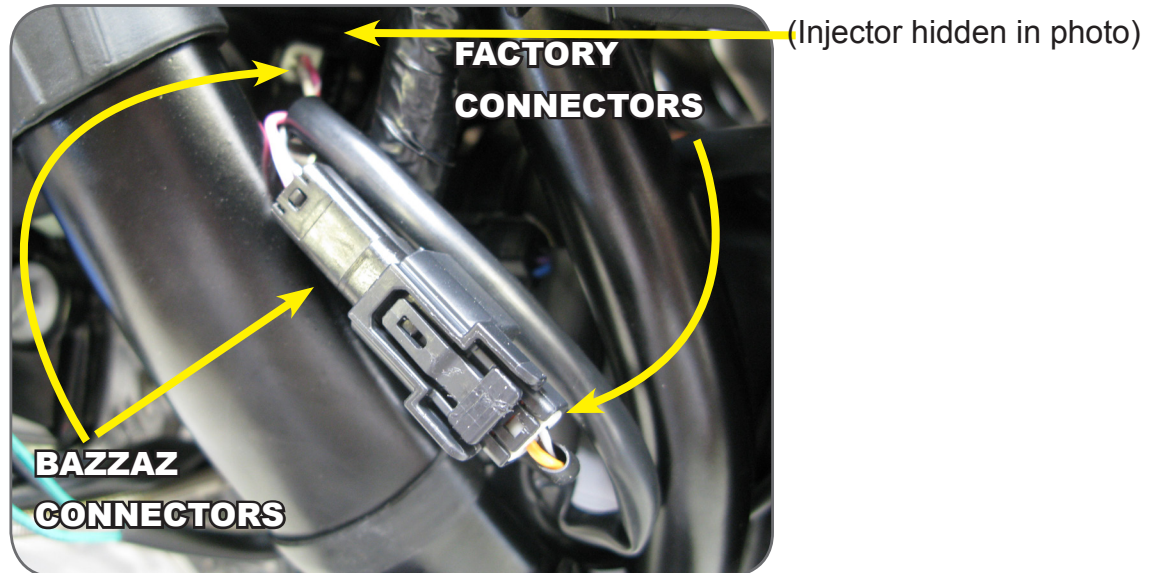
(Fuel harness routing for reference)

1. Route the fuel harness inside the frame towards the engine.
2. Locate the factory throttle position sensor (TPS), which can be found on the lower left hand side of the throttle body..
3. Disconnect the TPS connector from the sensor and connect the Bazzaz TPS connectors in line with the factory connector and sensor..

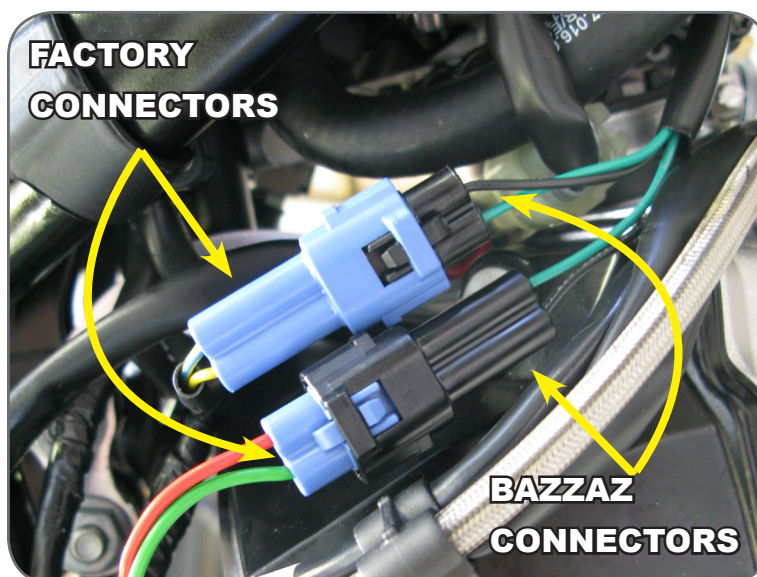


# 5.3>CONNECT (CONT.)

1. Locate the injector found on top of the throttle body.
2. Disconnect The factory injector connector from the injector.
3. Install the Bazzaz injector connectors in line with the factory connector and injector.



1. Locate the blue factory CKPS connectors, which are located on the left hand side of the bike near that valve cover and frame rail.
2. Disconnect the blue factory CKPS connectors.
3. Connect the Bazzaz CKPS connectors in line with the factory CKPS connectors



# 6>SECURE



Use the supplied cable ties to secure the harness neatly along the routing path **free of any moving or hot components** (which could cause damage or failure of the system).

# 7>CHECK



1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at [bazzaz.net](http://bazzaz.net).
2. Plug the USB cable into the control unit and computer.
3. Locate and open the Z-Fi Mapper software.
4. Check that the pre-programmed map matches the model of your bike on the fuel map page within the software. You can switch from map 1 to map 2 by unplugging the map select jumper on the Bazzaz fuel harness. Map 1 will be pre-programmed; depending on your model, there may be a pre-programmed map in the map 2 slot. If map 2 is blank, stock ECU settings are used. Make sure that the jumper is left plugged in or unplugged, depending on which map you choose.
5. Start the vehicle and begin to check that the following inputs read correctly on the fuel map page.
  - RPM - Make sure that the RPM is reading near what the vehicle is idling at.
  - GPS - The vehicle should read neutral (or whichever gear it is in). For motorcycles that use a Gear Position Sensor, the bike does not need to be running to do this. For motorcycles that use a speed sensor, the wheel must be spinning to read gear properly. This can be checked on a dynamometer or by using a rear stand. Use caution when testing componentry.
  - TPS - When throttle is applied, the TPS should read accordingly. Fly-by-wire models must be running to check TPS. Normal cable operated throttles can be checked with just the key on, not running.

### Also use software to:

- View and/or make adjustments to fuel maps
- Activate Z-AFM self mapper (sold separately)
- Save and load new fuel maps
- Re-calibrate throttle position sensor after throttle modifications
- View diagnostics for troubleshooting
- Change quickshift settings
- Make traction control adjustments



If any problem is found, please carefully follow through the installation steps again.



If problem still persists, please contact Bazzaz tech support

- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net)

## 8> REINSTALL

After it is determined that everything is correct, reinstall the components removed in step 3.

## 9> USE



**MAP 1**



**MAP 2**

## MAPS

The Bazzaz controller is capable of storing two maps.

Switch maps by connecting or disconnecting the map select jumper supplied with the kit.

Or use the optional handlebar-mounted switch to switch maps on the fly (sold separately).



# 10>NEXT LEVEL

## MAP SELECT SWITCH

Purchased separately.

**79.95**

Switch maps on the fly with this handlebar-mounted switch. Weatherproof toggle and easy installation.



## ZAFM SELF MAPPER

Purchased separately.

Build race-level fuel maps for your specific modifications, fuel type, engine, and atmospheric conditions simply while riding.

O2 sensor mounts into exhaust and control box easily plugs in to any Bazzaz Z-Fi product.

**299.95**



**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the  
**United States**

**F535**