

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL MANAGEMENT

**KAWASAKI ZX10R | 2019  
F4420**

## 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 highways.

### 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).

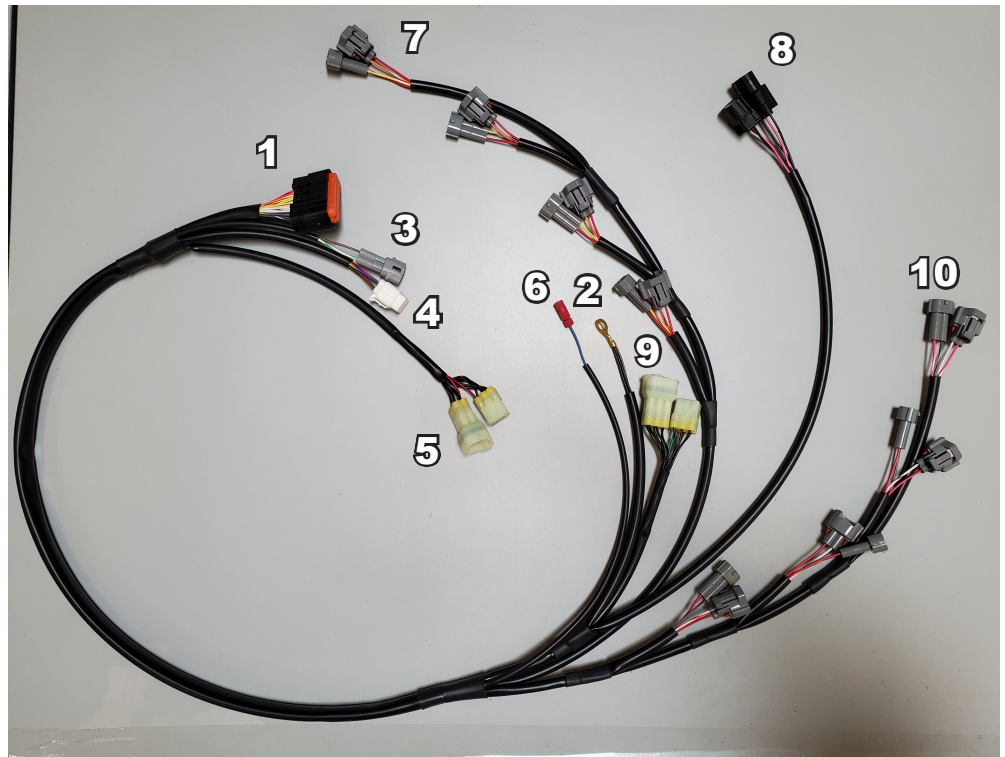
# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. O2 Stabilizer
4. USB cable
5. Swingarm stickers
6. Download Bazzaz software from [bazzaz.net/index.php/software-overview](http://bazzaz.net/index.php/software-overview)

## FUEL HARNESS

1. Main
2. Ground
3. Map Select
4. ZAFM
5. +12v Switch Power
6. TPS
7. Upper Injectors
8. GPS
9. CKPS
10. Lower Injectors



## POSI-TAP

### Step 1:

un-screw grey locking tab



### Step 2:

Slide grey locking tab over desired wire to "tap" into



### Step 3:

Re-Apply grey locking tab to the mating red connector. Firmly, finger tighten



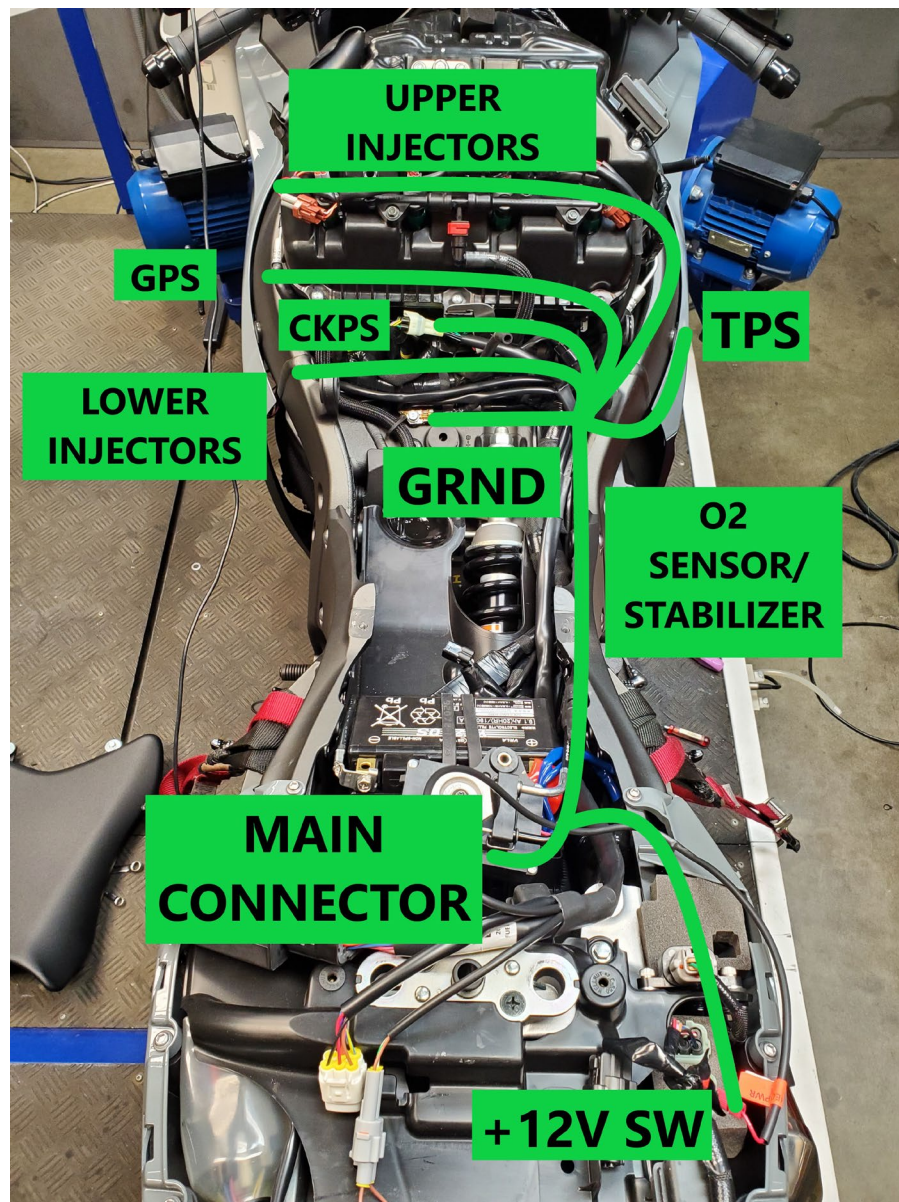
# 3>REMOVE

1. Rider and passenger seat
2. Fuel tank
3. Air box
4. Left Fairing

# 5>CONNECT

## 5.1

1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the picture.
2. The servo motor has to be un-installed to fit the control unit in that location. This will cause an FI light to come on which can be eliminated by using a servo eliminator.

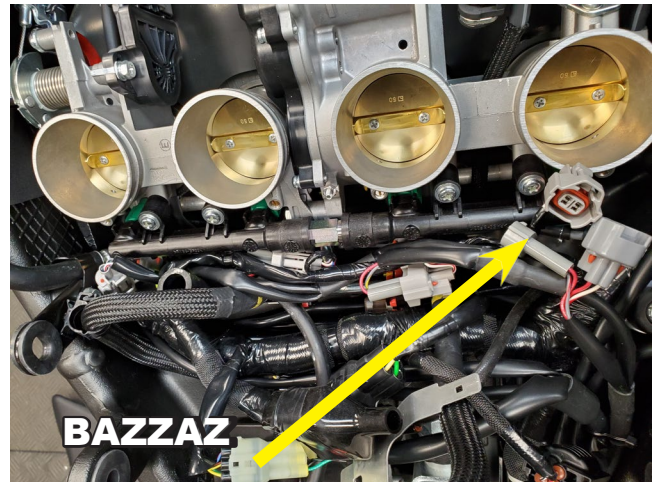
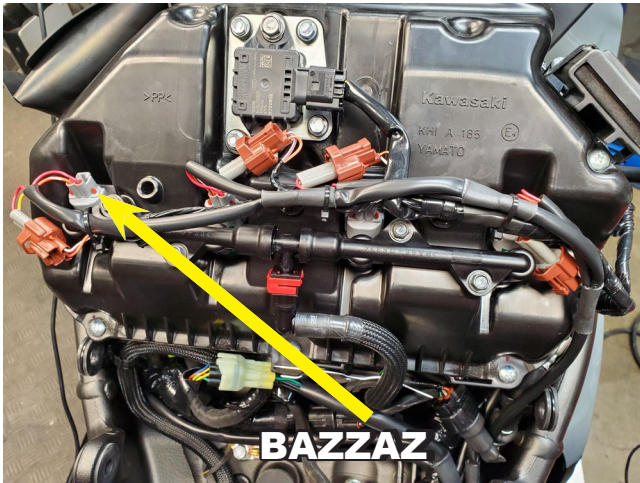




# 5>CONNECT (CONT.)

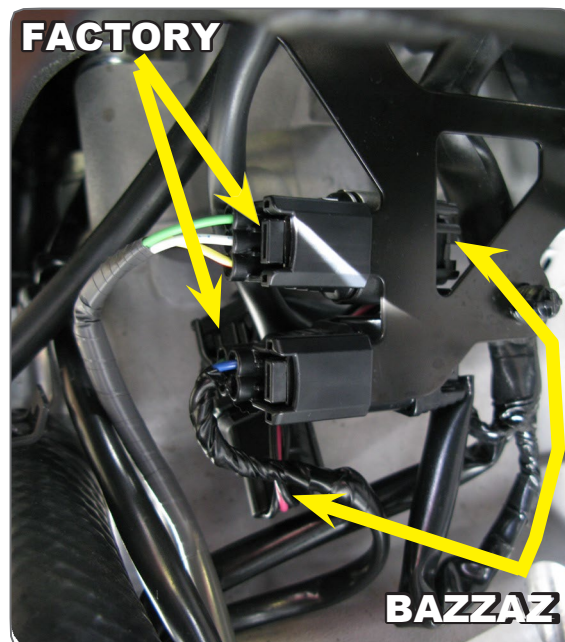
## 5.2

1. Locate the factory injector connector which can be found along the lower fuel rail on the throttle bodies.
2. Once located, begin to connect the Bazzaz lower injector connectors in from right to left.



## 5.3

1. Locate the factory black three pin GPS connector, which can be found on the bracket that was removed for the control unit installation.
2. Disconnect the factory GPS connectors and install the Bazzaz GPS connectors inline

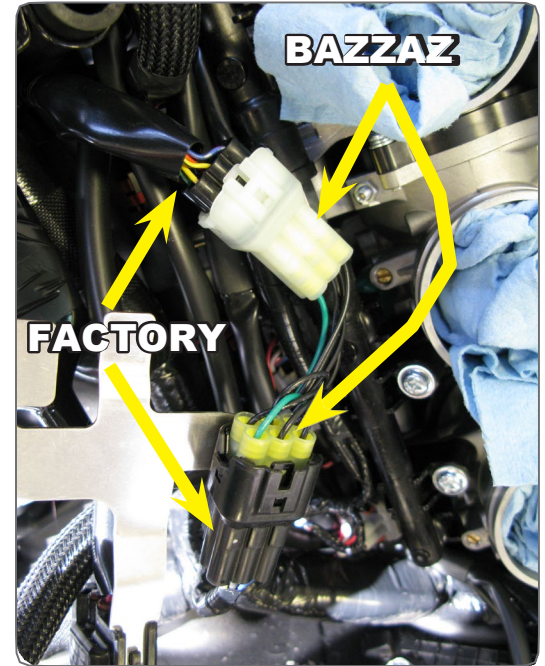




# 5>CONNECT (CONT.)

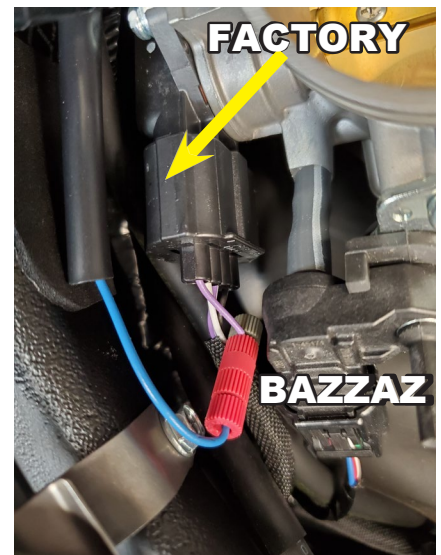
## 5.4

1. Locate the factory bracket which mounts to the back of the airbox.
2. Locate the factory six pin black CKPS connectors.
3. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.



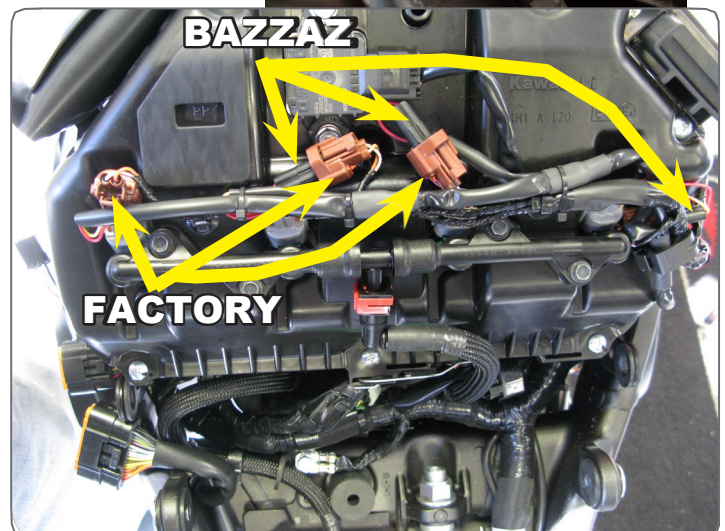
## 5.5

1. Locate the factory black Five-pin TPS connector, located on the right side of the throttle body
2. Disconnect the factory TPS connector from the sensor.
3. Locate the factory TPS wire which is a Purple wire. (Wire location #1)
4. Use the provided Posi-tap to connect to the wire.
5. Refer to instructions on how to use the Posi-taps.



## 5.6

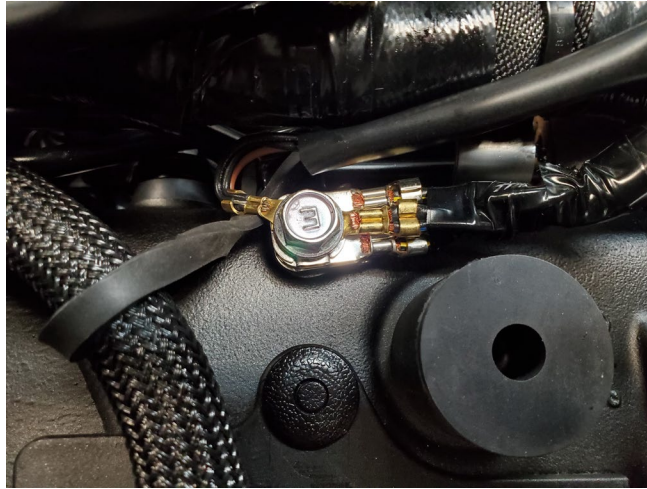
1. Locate the factory upper injector connectors, which can be found on top of the air box along the upper fuel rail.
2. Begin to install the Bazzaz injector connectors inline working from right to left.



# 5>CONNECT (CONT.)

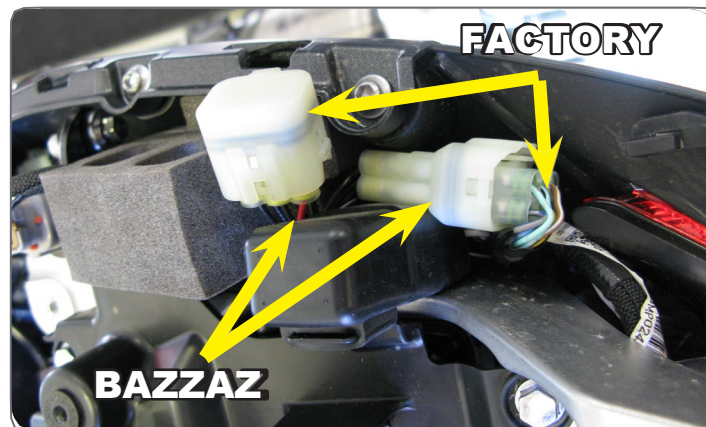
## 5.7

1. Locate the Bazzaz ground lug and install the Bazzaz onto the factory ground.



## 5.8

1. Locate the factory six pin diagnostic connector, which can be found mounted within a grey foam block on the right hand side of the bike in the tail section.
2. Disconnect the factory connectors and install the Bazzaz inline.





# 5>CONNECT (CONT.)

## 5.9

1. Locate the factory O2 sensor connector, which can be found on the same bracket as the CKPS connector, which mounts to the back of the airbox.
2. Disconnect the factory 4 pin O2 sensor connector and install the Bazzaz O2 stabilizer.



# 11>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).

# 12>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)

## 13>REINSTALL

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

## 14>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).

# 15>NEXT LEVEL

**\*\*Accessories purchased separately.**

## MAP SELECT/ TC ADJUST SWITCH

Switch maps on the fly with this handle-bar-mounted switch. Quickly adjust traction control settings using a 10-point dial. Weatherproof toggle and easy installation.



**129.95**

## MAP SELECT SWITCH

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



**79.95**

## Z AFM SELF MAPPER

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**

## TC ACTIVE LIGHT

Illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated.



**79.95**



## NOTES:



**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the  
**United States**

**F4414 | T4414**