

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL MANAGEMENT

**ZFI TC** FUEL + QS + TRACTION CONTROL

**SUZUKI GSXR1000 | 2017**  
**F6413 | T6413**

## 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).

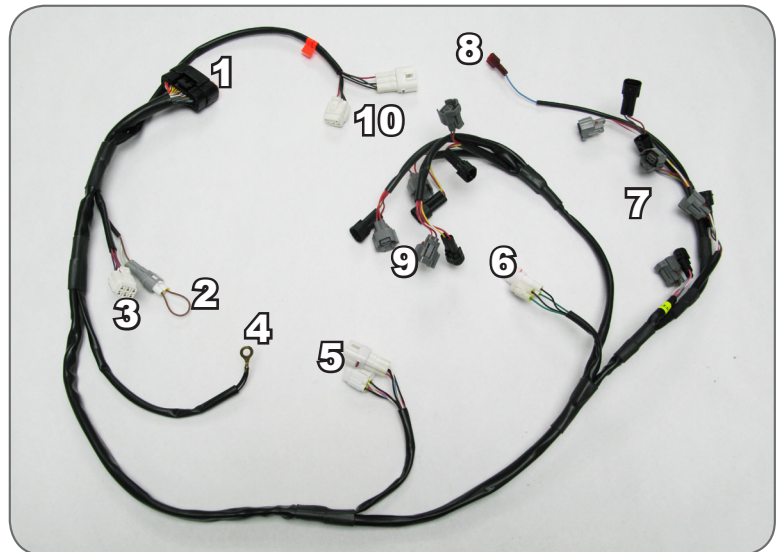
# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi/Z-Fi TC control unit
2. Fuel harness
3. Coil harness (For Z-Fi TC only)
4. Shift Switch and mounting hardware (For Z-Fi TC only)
5. USB cable
6. Scotchloks (1)
7. Swingarm stickers
8. Download Bazzaz software from [bazzaz.net/index.php/software-overview](http://bazzaz.net/index.php/software-overview)

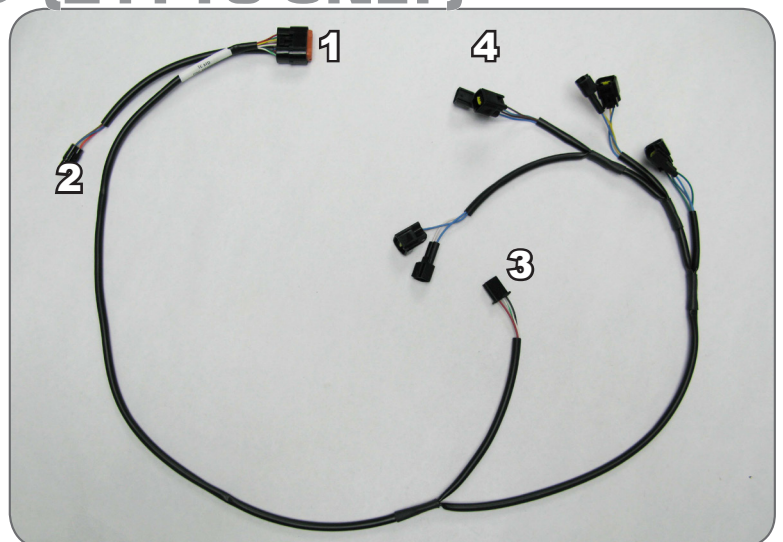
## FUEL HARNESS

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



## COIL HARNESS (Z-FI TC ONLY)

1. Main
2. TC Adjust Switch
3. Shift Switch
4. Coils



# 3>REMOVE

1. Rider and passenger seat
2. Tail section fairings
3. Fuel tank
4. Air box

# 4>SECURE

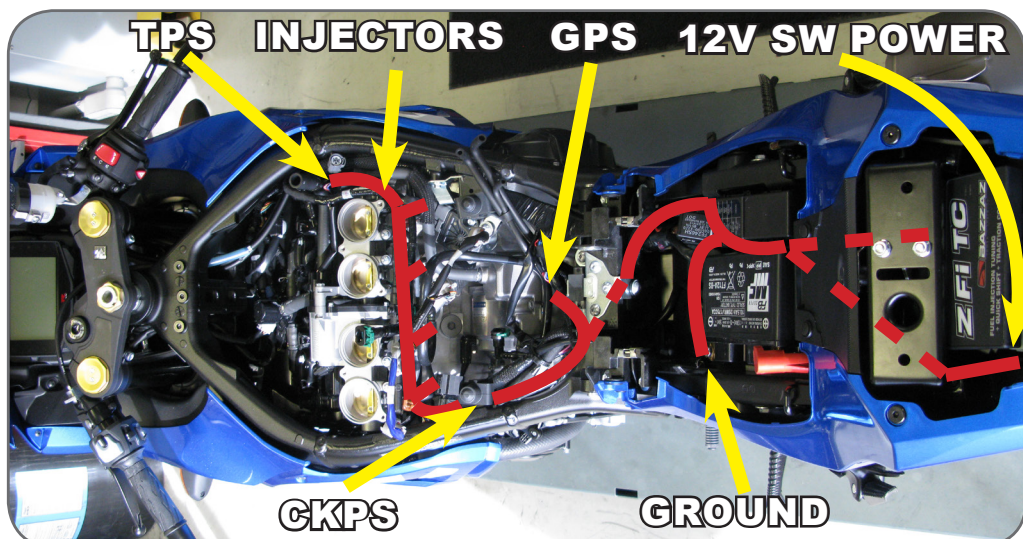
1. Secure the Bazzaz control unit beneath the passenger seat in the tail section of the bike



# 5>CONNECT

## 5.1

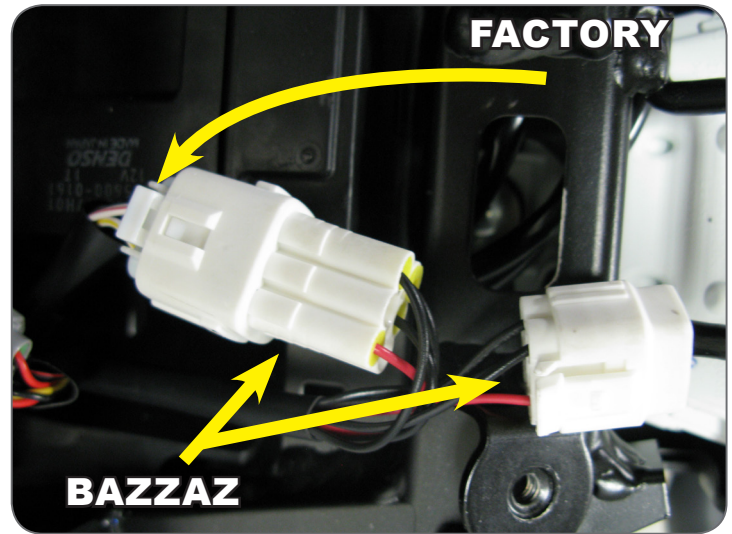
1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the below picture.



# 5>CONNECT (CONT.)

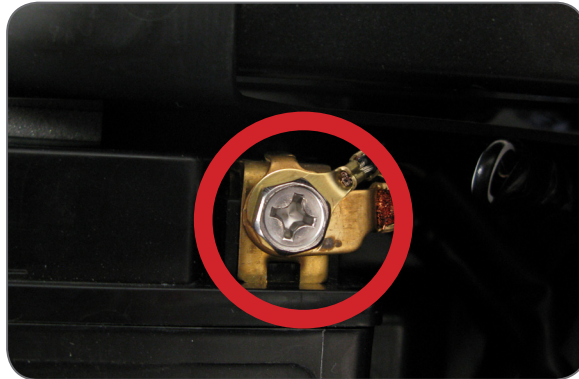
## 5.2

1. Locate the factory diagnostic connector which can be found in the tail section of the bike beneath the passenger seat.
2. Install the Bazzaz switched power connector inline.



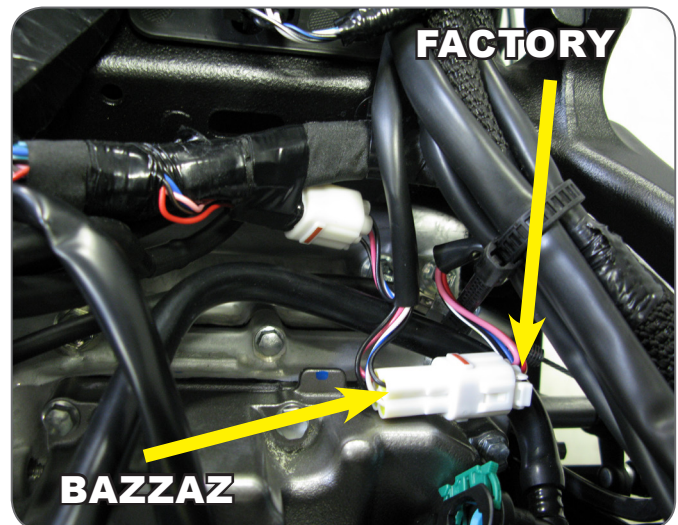
## 5.3

1. Locate the factory negative terminal on the battery.
2. Install the Bazzaz ground lug to the negative battery terminal.



## 5.4

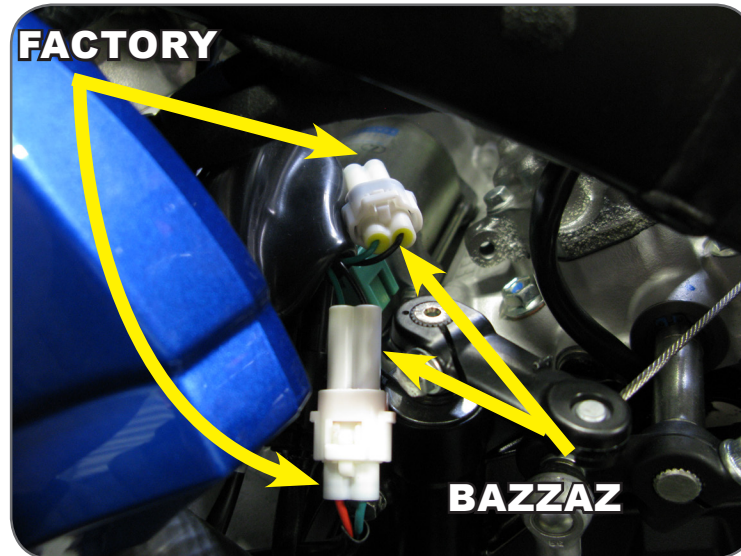
1. Locate the factory white four pin gear position connector which can be found by tracing the factory gear position sensor wires from the sensor itself. Note: The factory connectors will be beneath the fuel tank towards the rear tank mount.
2. Install the Bazzaz gear position connectors inline and secure.



# 5>CONNECT (CONT.)

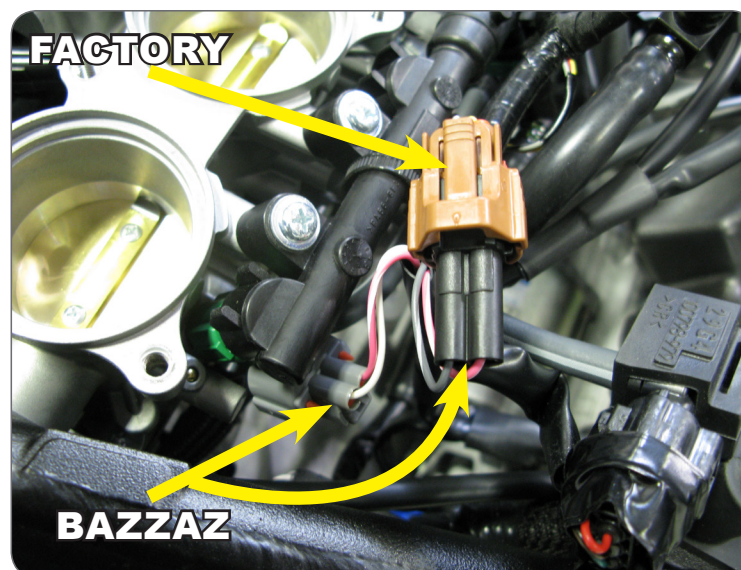
## 5.5

1. Locate the factory CKPS connectors, which can be traced from the left side crank case cover up to a black rubber boot on the left hand side of the bike.
2. Connect the Bazzaz CKPS connectors inline.



## 5.6

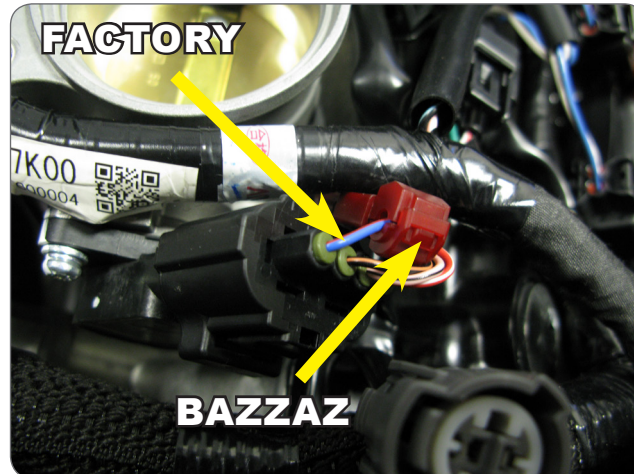
1. Locate the factory brown lower injector connectors which can be found just below the factory black fuel rail.
2. Begin to connect the Bazzaz injector connectors from left to right. Note: The Bazzaz lower injector connector will be labeled for the lower number 1 injector which is on the far left of the bike.



# 5>CONNECT (CONT.)

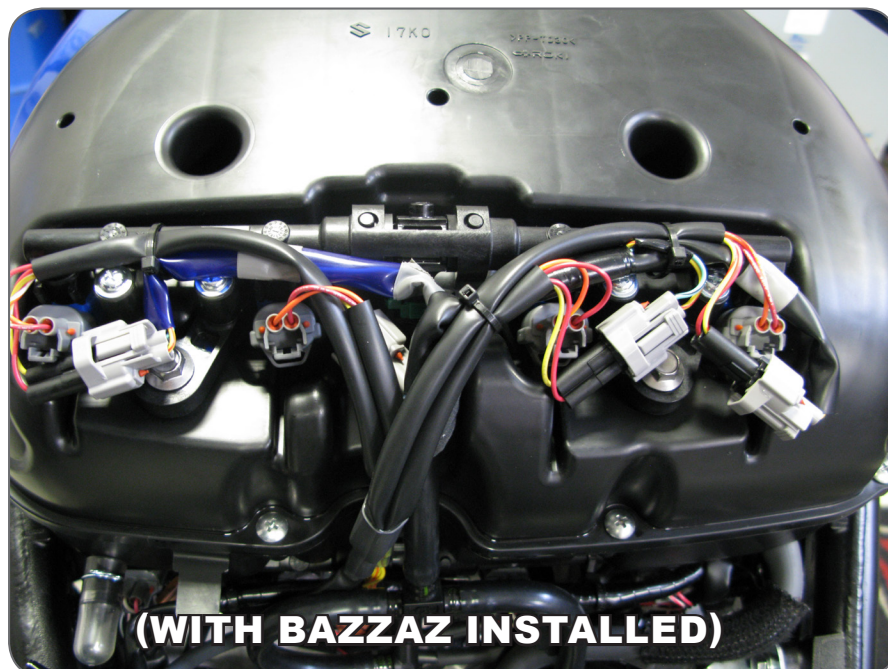
## 5.7

1. Locate the factory black four pin TPS connector, which can be found on the right hand side of the throttle bodies.
2. Separate the factory blue/red wire and use the supplied scotchlok to crimp onto the factory blue/red wire.
3. Connect the Bazzaz TPS connector.



## 5.8

1. Begin to connect the Bazzaz upper injectors to the factory harness. The Bazzaz upper injectors will be labeled for each injector.

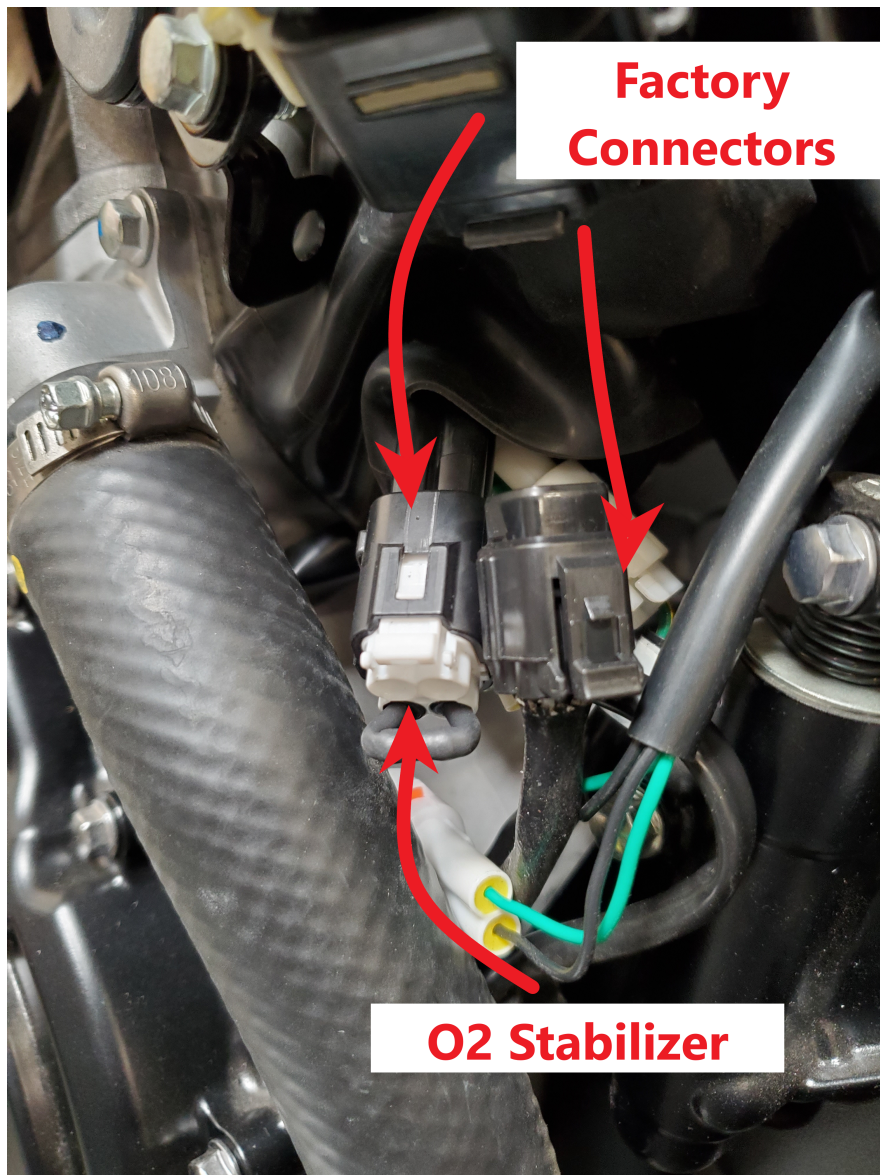


# 5>CONNECT (CONT.)

## 5.9

### O2 Stabilizer

1. Locate the factory 4 pin O2 sensor connector which can be found by following the factory O2 Sensor on the exhaust.
2. Disconnect the factory O2 sensor and install the Bazzaz O2 stabilizer.

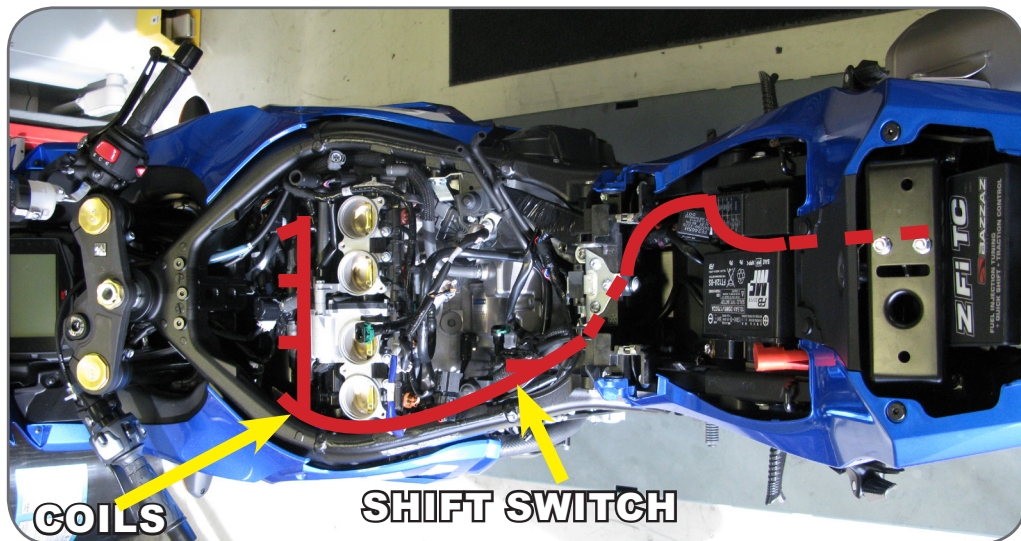


**SECTION 6>CONNECT, AND 7>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 9>SECURE**

# 6>CONNECT

## 6.1

1. Connect the Bazzaz coil harness to the Bazzaz control unit and begin to route the harness along the Bazzaz fuel harness up towards the coil connectors.
2. Locate the factory coil connectors located on top of the factory valve cover.
3. Install the Bazzaz coil connectors inline working from left to right.

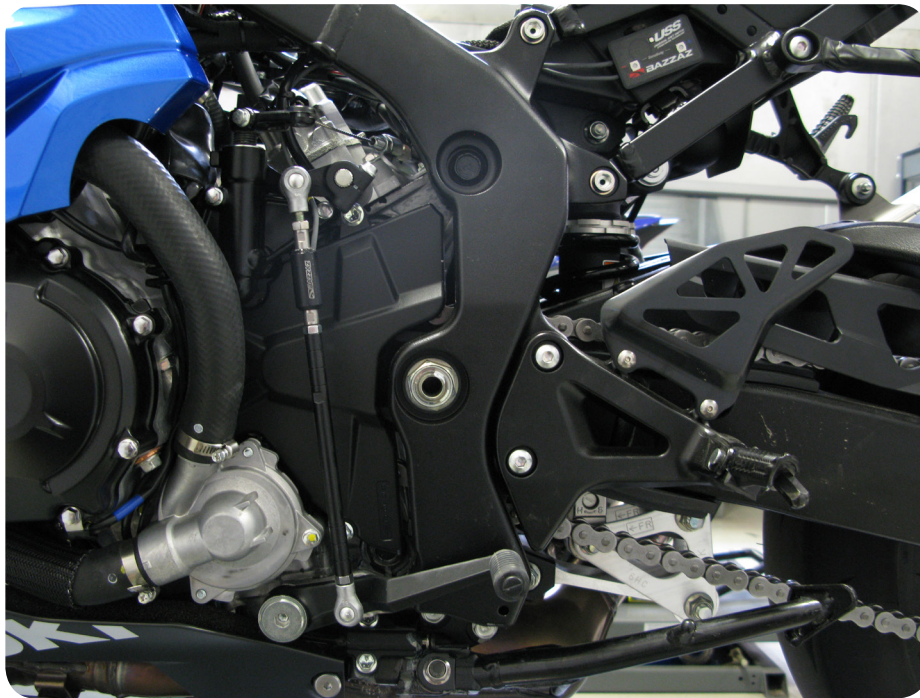




# 7>QUICKSHIFT

(FOR USE WITH Z-FI TC ONLY!)

1. Measure and note your shift pedal height so you may reposition the shift lever once complete.
2. Remove the factory shift rod and begin to install the Bazzaz shift switch using one of the supplied allen stud bolts and tighten.
3. Begin to install the Bazzaz shift rod. \*The shift rod may need to be cut to get your original shift pedal height.\*
4. Ensure to retighten all lock nuts on the shift linkage.



# 8>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).

# 9>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)

# 10>REINSTALL

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

# 11>USE MAPS

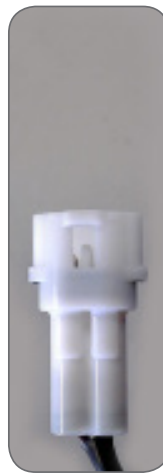
The Bazzaz controller is capable of storing two maps.

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).



**MAP 1**



**MAP 2**

# 12>NEXT LEVEL

\*\*Accessories purchased separately.

## MAP SELECT/ TC ADJUST SWITCH

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



**79.95**

## ZAFM 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**



**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the  
**United States**

**F6413 | T6413**