

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI / ZFI TC**  
**FUEL**

**KAWASAKI Z-1000 2014**  
**F492/T492**

## 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



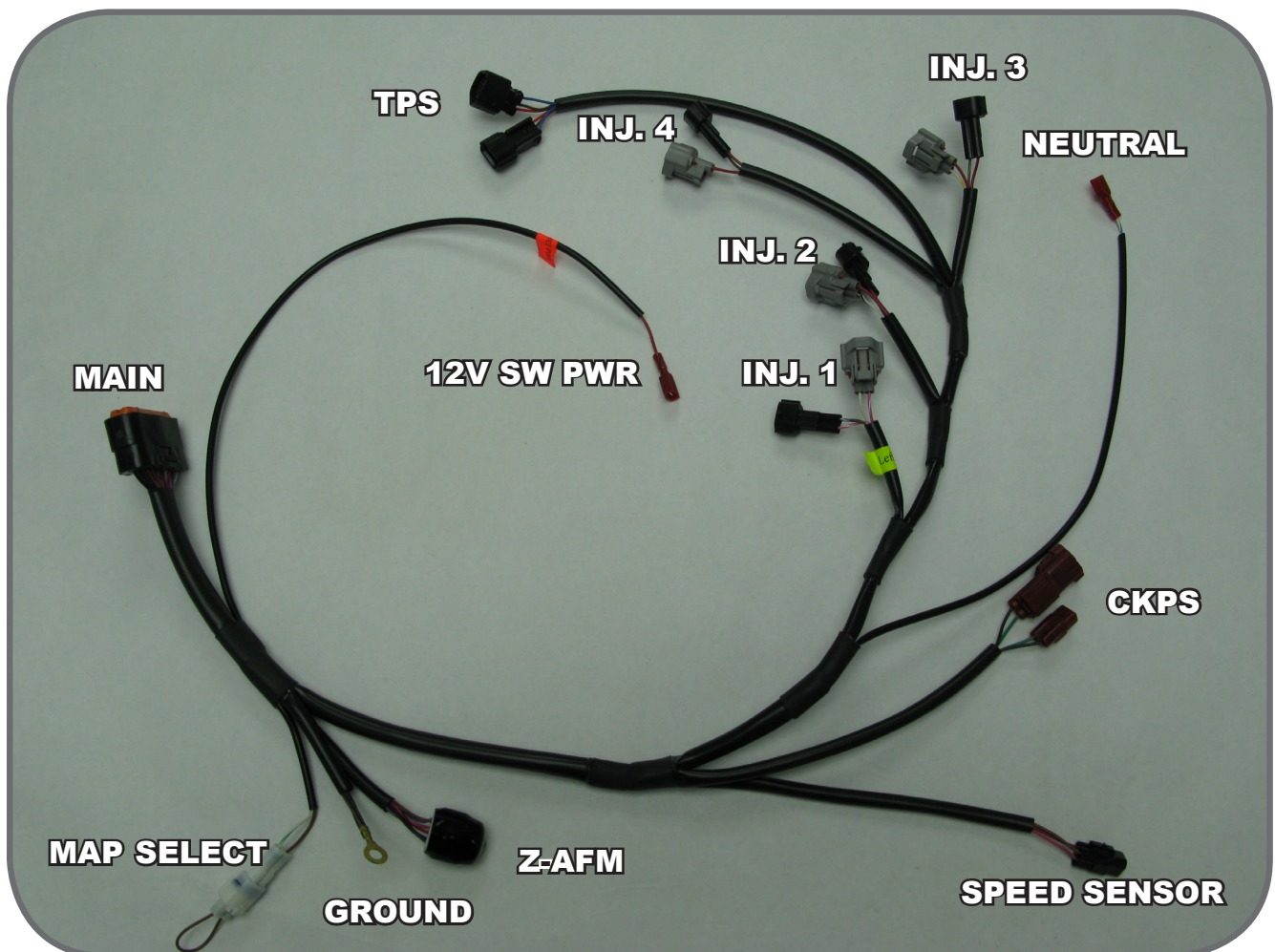
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net).

# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi/Z-FiTC Control Unit
2. Fuel harness
3. Coil Harness (If using Z-FiTC)
4. USB cable
5. Scotch Lock (2)
6. Speed Amplifier
7. Swingarm Stickers
8. Zip Ties
9. Velcro
10. Download Z-Mapper software from Bazzaz

## FUEL HARNESS



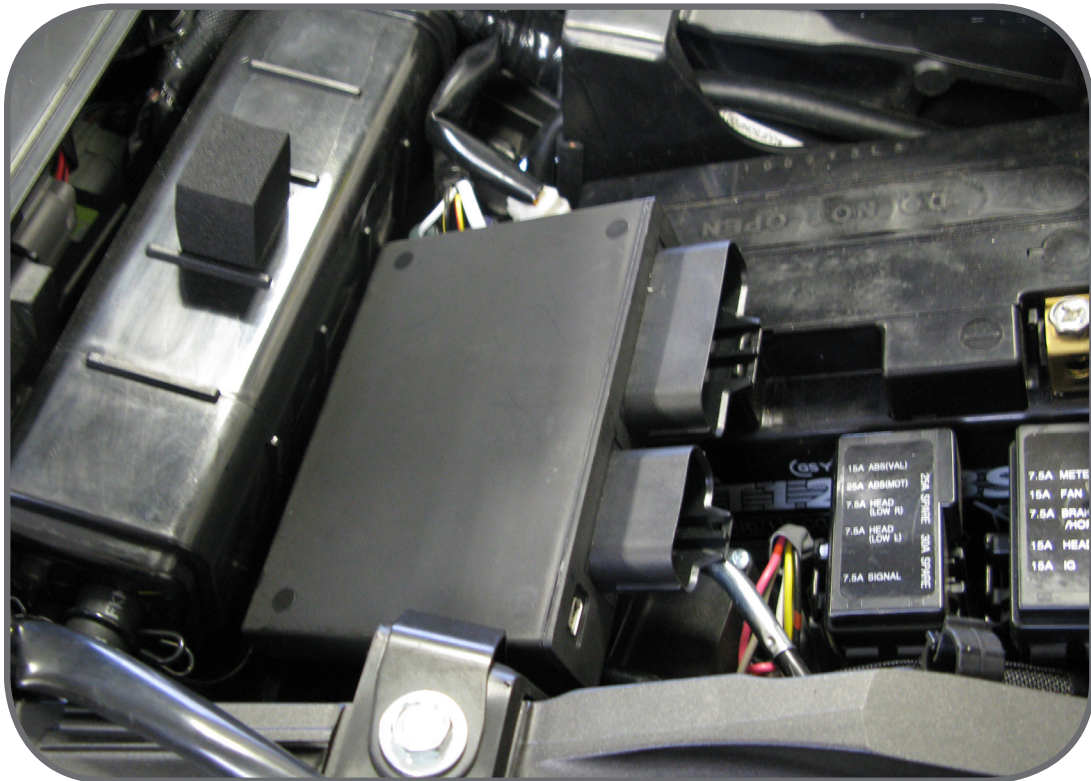
## 3>REMOVE

1. Rider and passenger seat
2. Right side tail fairing
3. Left and right side fairings
4. Fuel tank
5. Air box

## 4>SECURE

### CONTROL UNIT

1. Begin by placing the Bazzaz control unit above the exhaust servo motor, underneath the rider seat. (You will need to remove the fuel pump connector from its' bracket for the control unit to fit properly.)

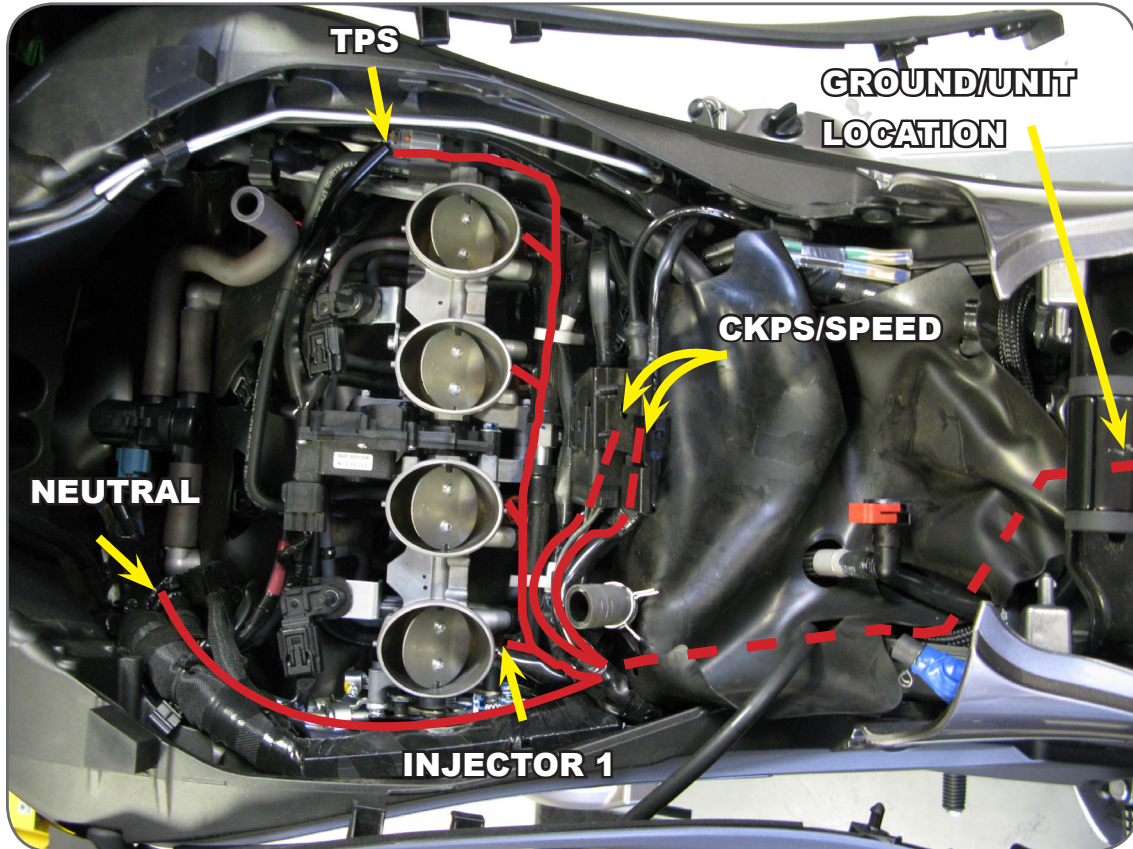




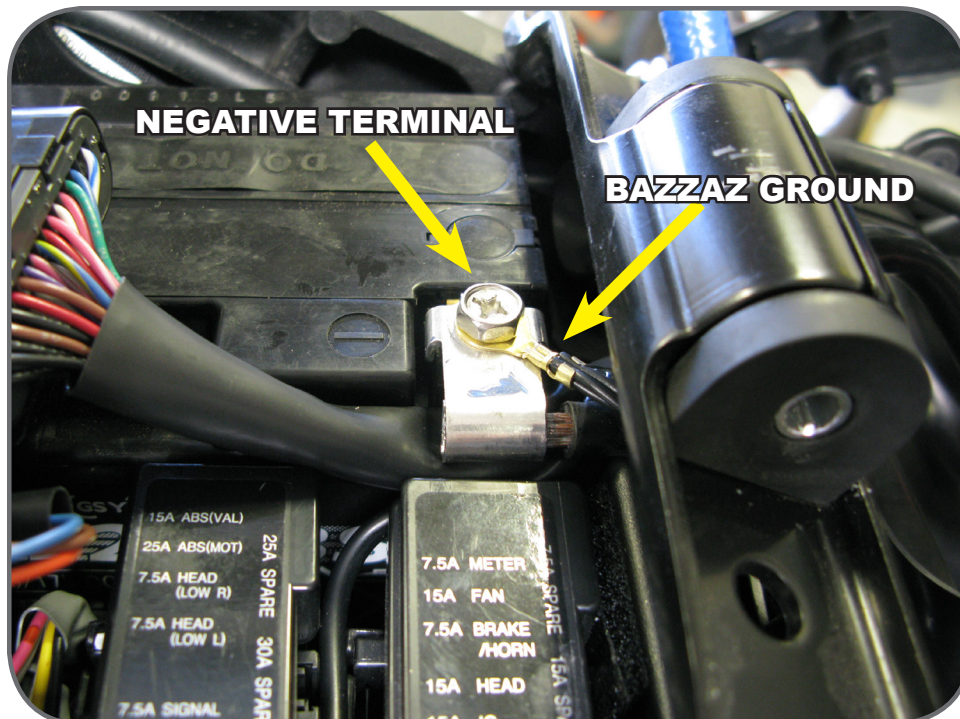
# 5.1>CONNECT

## HARNESS ROUTING AND GROUND

1. Connect the Bazzaz fuel harness to the control unit, and begin to route the harness along the left hand side of the bike as shown in the photo.



2. Locate the Bazzaz ground lug and connect it to the negative battery terminal.

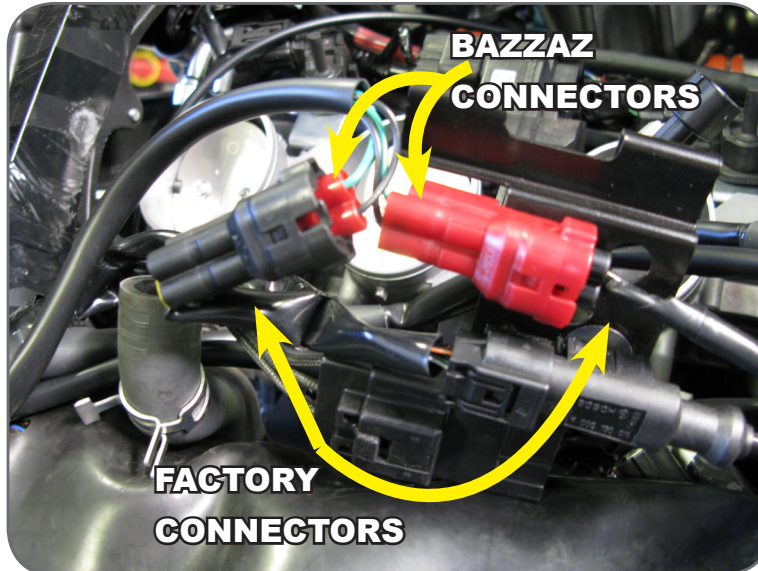




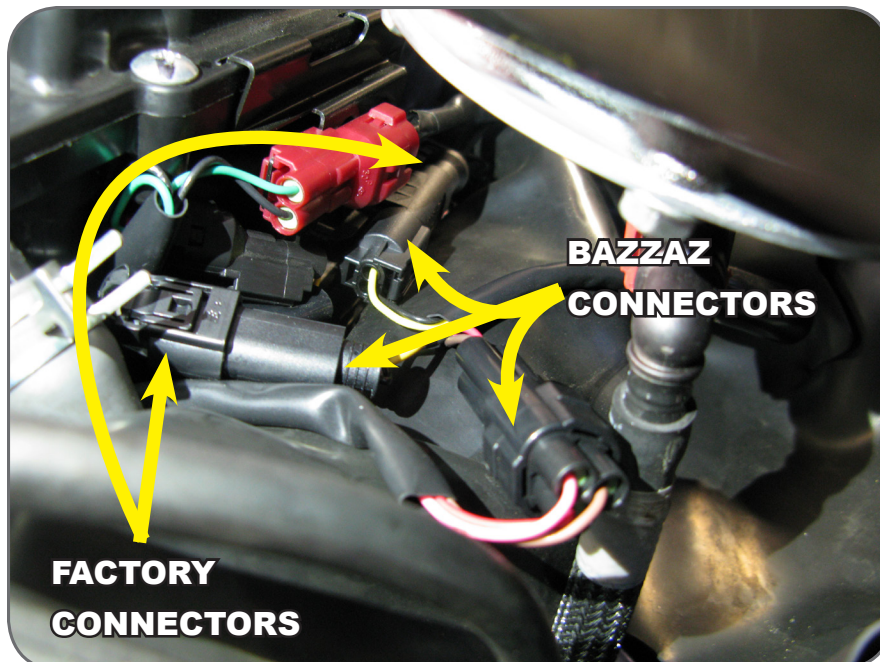
# 5.2>CONNECT (CONT.)

## CKPS AND SPEED SENSOR

1. Locate the factory CKPS connector, which can be found attached to the black bracket, which was removed from the back of the airbox when the airbox was removed.
2. Once located, disconnect the factory CKPS connectors, and install the Bazzaz CKPS connectors in line.



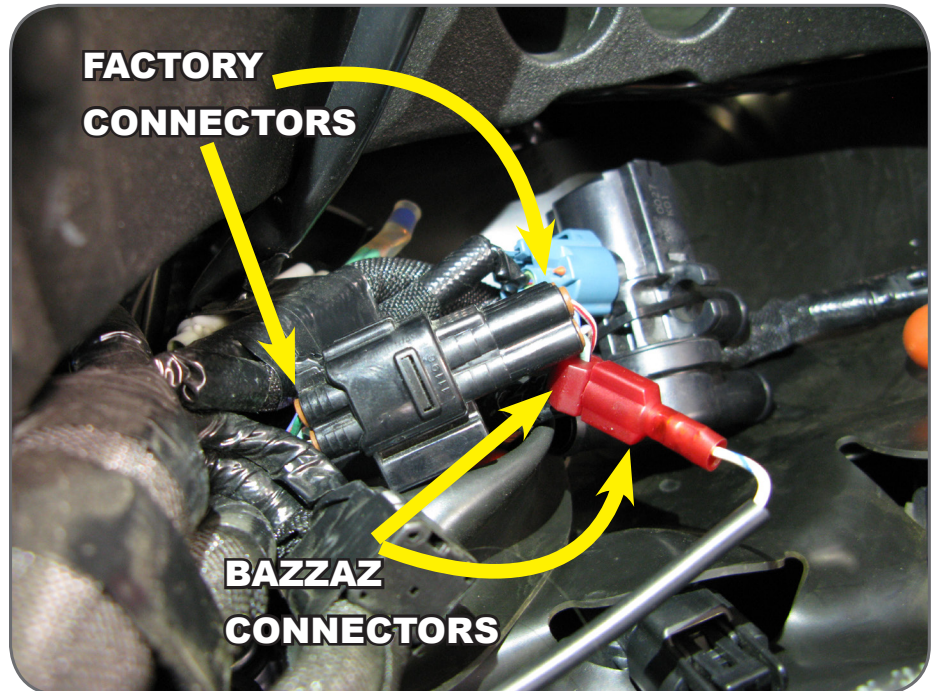
1. Locate the factory rear wheel speed sensor connector, which can be found on the same bracket as the factory CKPS, mounted directly below.
2. Once located, disconnect the factory speed sensor connectors, and install the supplied Bazzaz speed amplifier inline and connect the mating side to the Bazzaz speed connector on the Bazzaz harness.



## 5.3>CONNECT (CONT.)

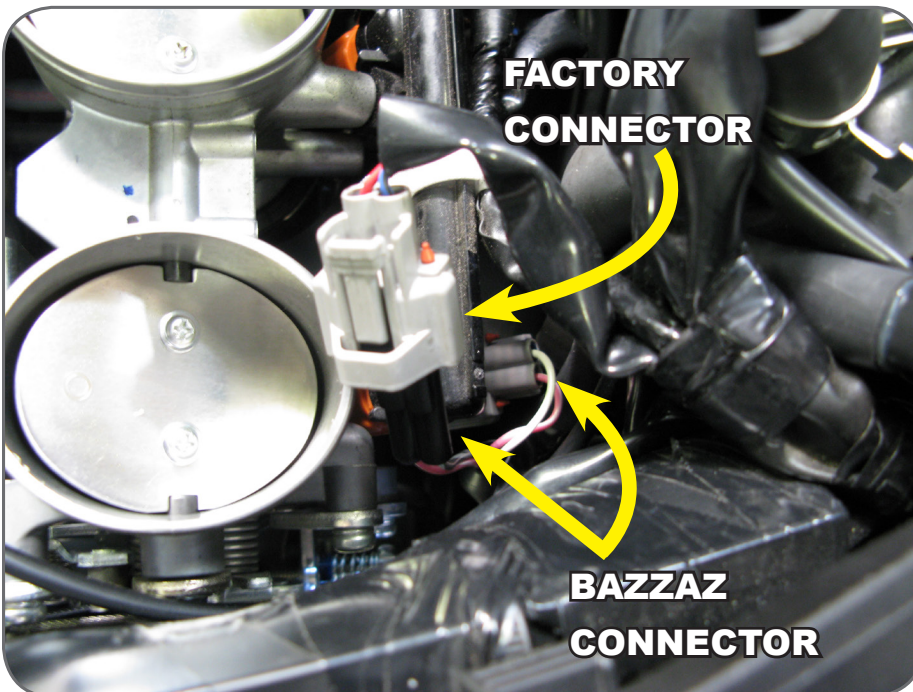
### NEUTRAL

1. Locate the factory neutral connector, which can be found near coil number one.
2. Disconnect the factory connector from it's bracket for ease of installation.
3. Separate the factory light blue wire, then use the supplied scotch lock and crimp onto the factory light blue wire.
4. Connect the Bazzaz neutral wire.



## 5.4>CONNECT (CONT.)

### INJECTOR CONNECTORS



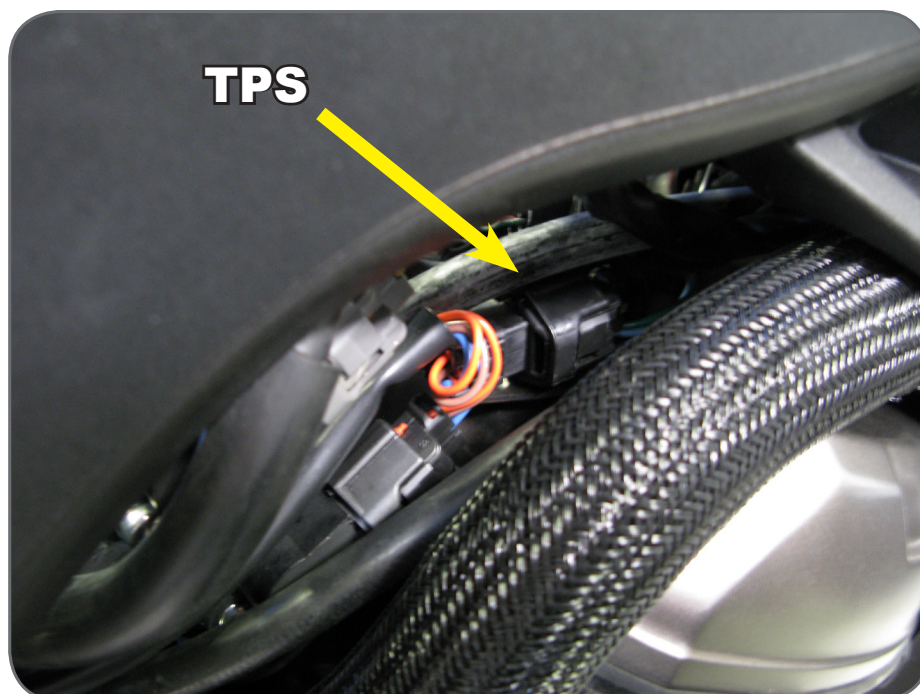
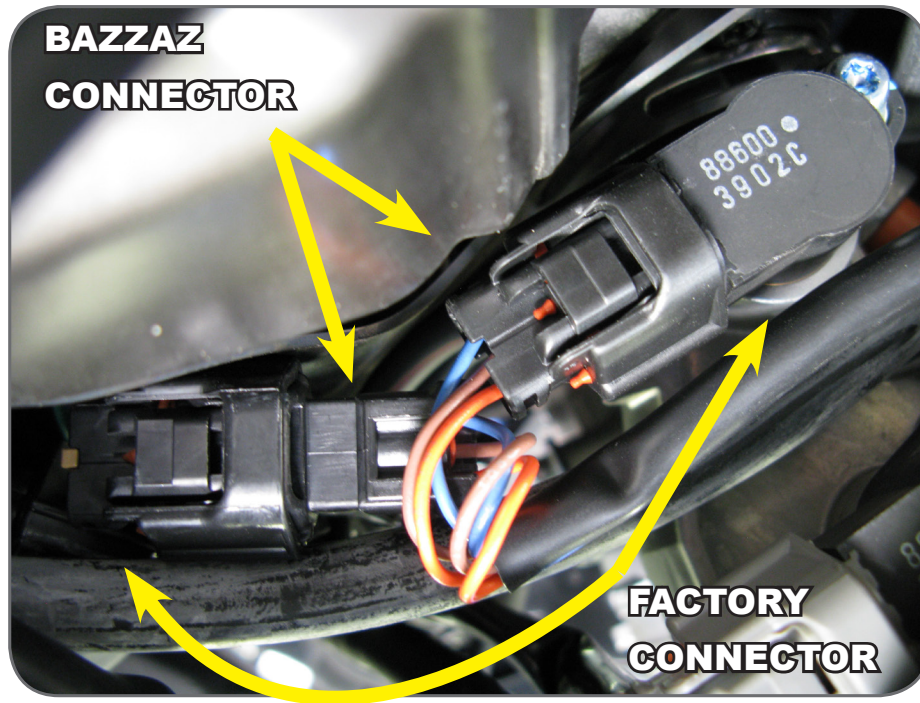
1. Locate the factory number one grey injector connector, which can be found on the far left hand side of the bike beneath the factory black rubber dust cover.
2. Disconnect the factory injector connector, and install the Bazzaz injector connector in line.
3. Repeat step 2 while following the Bazzaz harness for the next three injectors. **NOTE:** The Bazzaz number one injector will be labeled.



# 5.5>CONNECT (CONT.)

## TPS

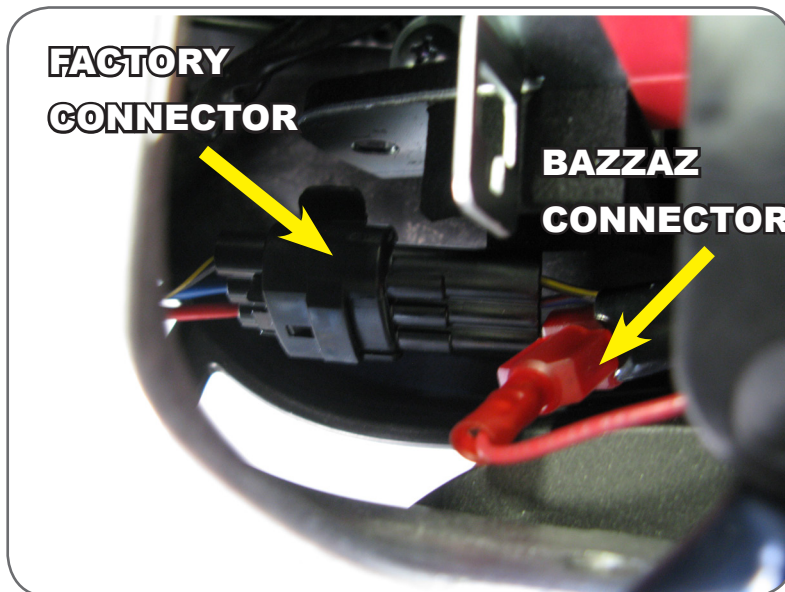
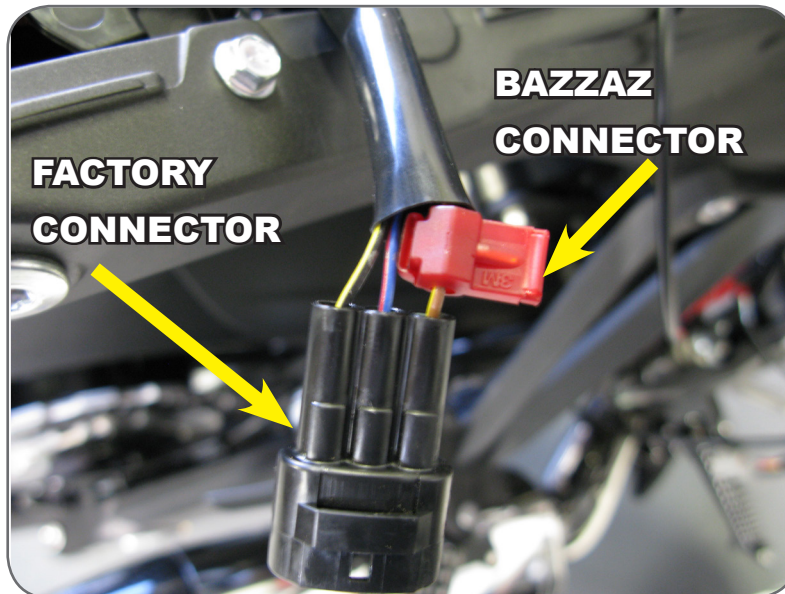
1. Locate the factory lower **BLACK** TPS connector, which can be found on the right hand side of the bike.
2. Disconnect the factory TPS connector from the TPS, and install the Bazzaz TPS connectors in line.



# 5.6>CONNECT (CONT.)

## 12V SWITCHED POWER

1. Locate the factory three pin tail light connector found in the tail section of the bike, along the right hand side of the bike.
2. For ease of installation, disconnect the factory connector from the bracket.
3. Separate the brown/yellow wire, and use the supplied scotch lock to crimp onto the factory wire.
4. Connect the Bazzaz switch power connector, and then reconnect the factory connectors.



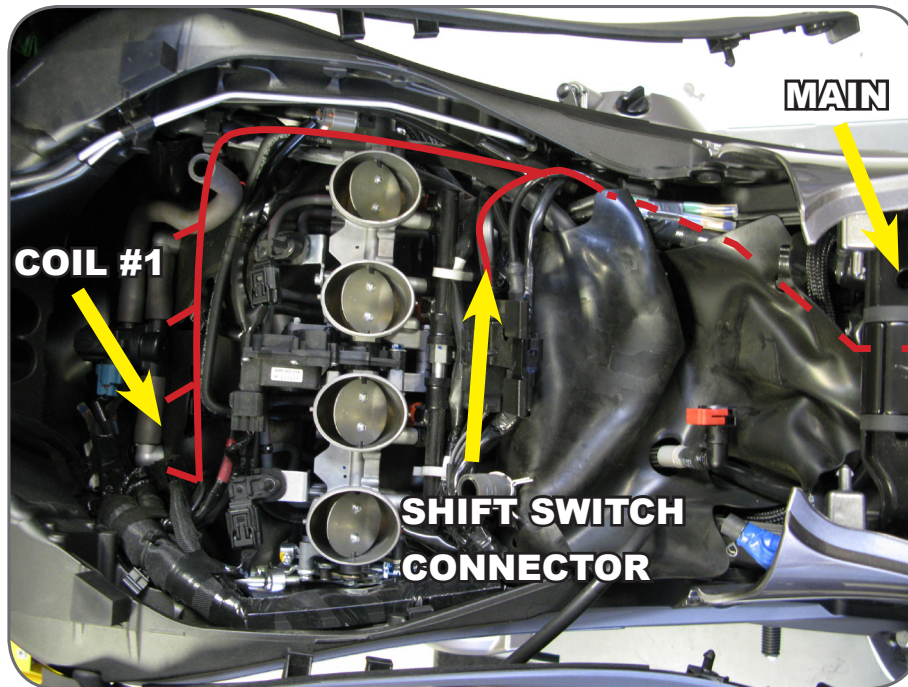
**SECTION 6>CONNECT, AND 7>CONNECT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 8>SECURE.**



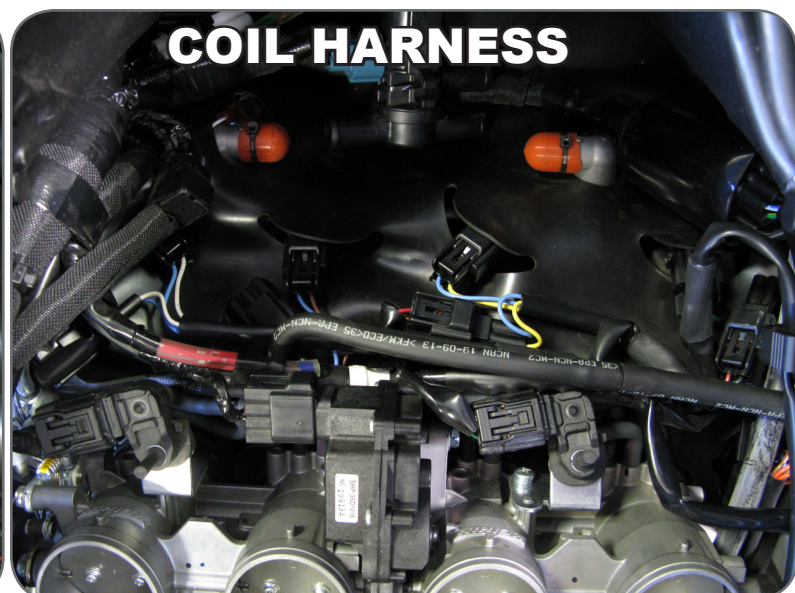
# 6>CONNECT (Z-FITC ONLY.)

## COIL HARNESS

1. Connect the Bazzaz coil harness to the Bazzaz control unit and begin routing the harness along the right hand side of the bike, towards the factory coils found on top of the valve cover.



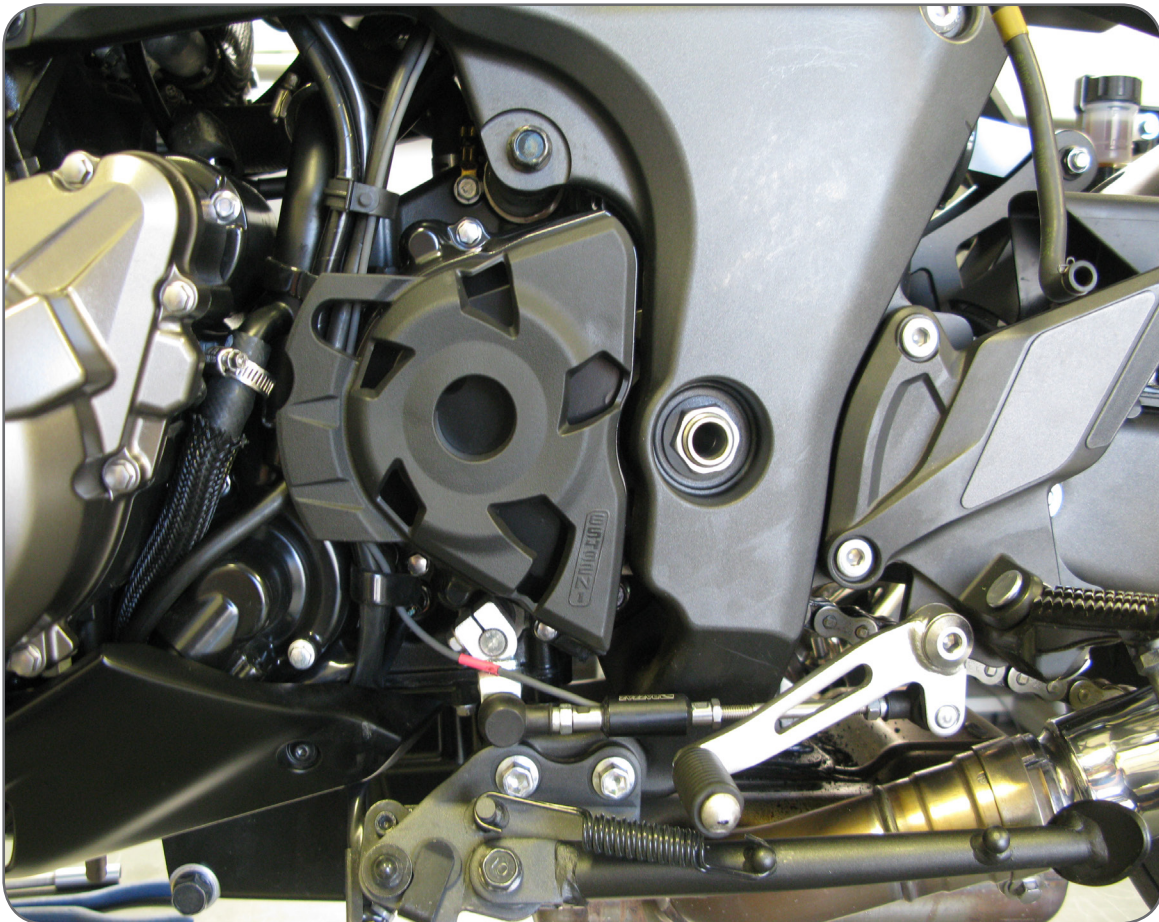
2. Locate the factory ignition coils and begin to connect the Bazzaz coil harness inline from left to right.





# 7>CONNECT (Z-FITC ONLY.)

1. Begin by removing the factory shift rod, then install the Bazzaz shift switch on the front linkage. (The supplied shift rod may need to be cut shorter depending on your shift pedal height preference.)
2. Once the correct height is attained, install the Bazzaz shift rod by screwing it into place between the Bazzaz shift switch and the rear shift linkage.
3. Secure the components by tightening the 10mm nuts.
4. Route the shift switch control box and connector up to the factory battery location and secure.
5. Route the connector of the shift switch to the mating connector on the Bazzaz coil harness.





# 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)

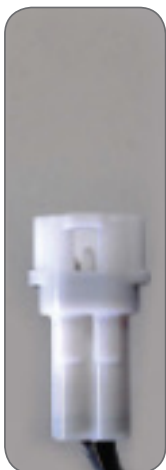
## 10>REINSTALL

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

## 11>USE



**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).



# 12>NEXT LEVEL

## MAP SELECT SWITCH

Purchased separately.

Switch maps on the fly with this handlebar-mounted switch.

Weatherproof toggle and easy installation. **79.95**



## MAP SELECT/TC ADJUST SWITCH

Purchased separately.

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**



## SELF MAPPER

# ZAFM

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**



# NOTES:



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**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the

**United States**

**F492/T492**