

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL MANAGEMENT

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

**YAMAHA FJ-09 | 2015**  
**F794 | T794**

## 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).

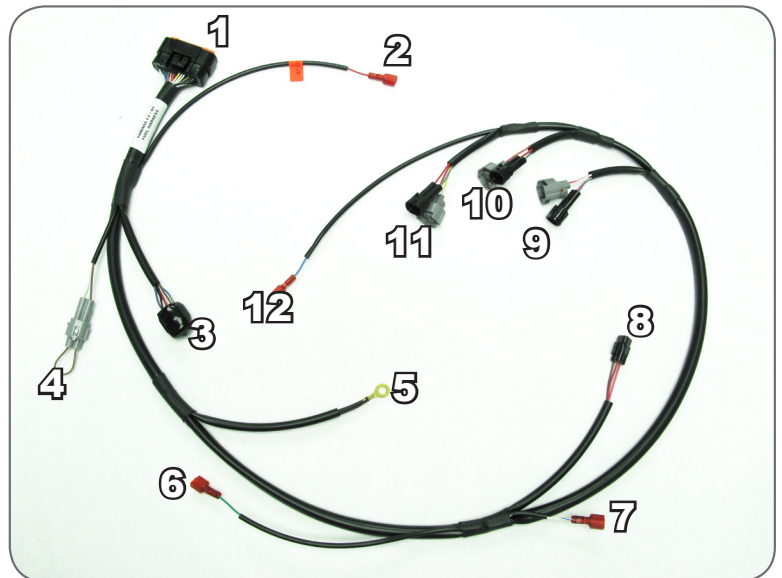
# 2>IDENTIFY

## 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. Scotchlok (4)
6. Speed Amplifier
7. USB cable
8. Swingarm stickers
9. Velcro
10. Download Bazzaz software from [bazzaz.net/index.php/software-overview](http://bazzaz.net/index.php/software-overview)

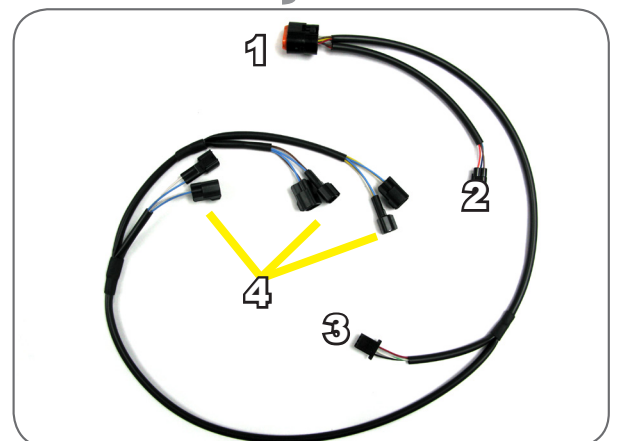
## FUEL HARNESS

1. Main
2. +12v SW Power
3. Z-AFM
4. Map Select
5. Ground
6. CKPS
7. Neutral
8. Speed
9. Injector1
10. Injector 2
11. Injector 3
12. TPS



## COIL HARNESS (Z-FI TC ONLY)

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

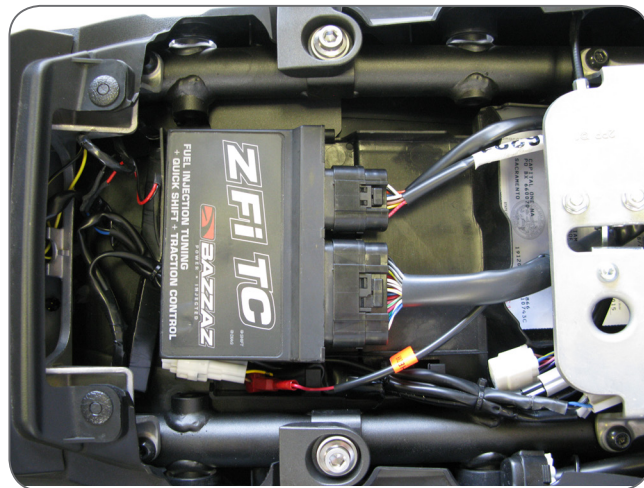


# 3>REMOVE

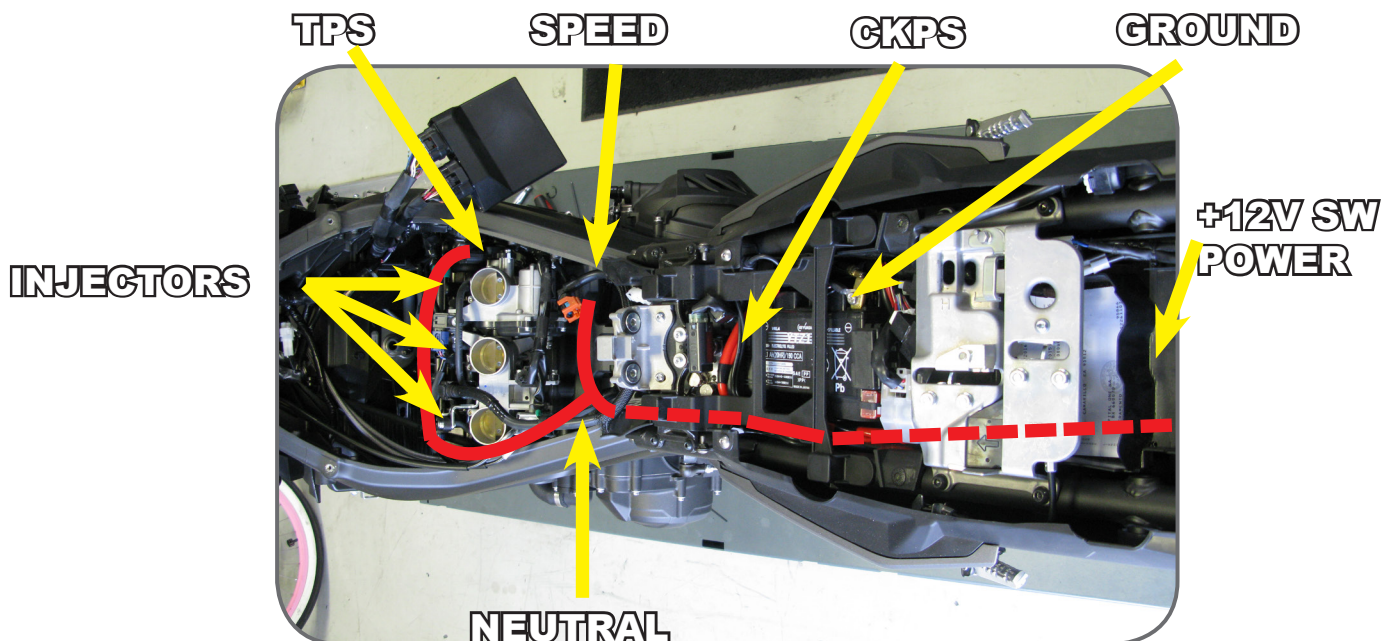
1. Rider seat
2. Fuel tank
3. Airbox
4. Both side fairings

# 4>SECURE

1. Mount the Bazzaz control unit using the supplied Velcro within the tail section beneath the passenger seat.



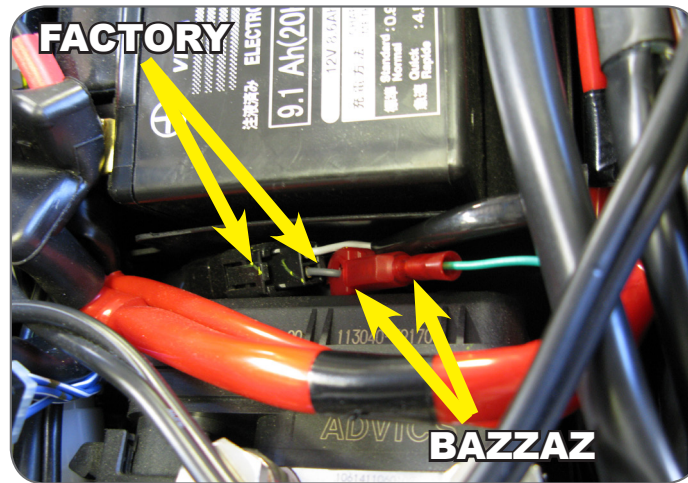
2. Connect the Bazzaz fuel harness and begin to route the harness towards the engine compartment along the left hand side of the bike.



# 5>CONNECT

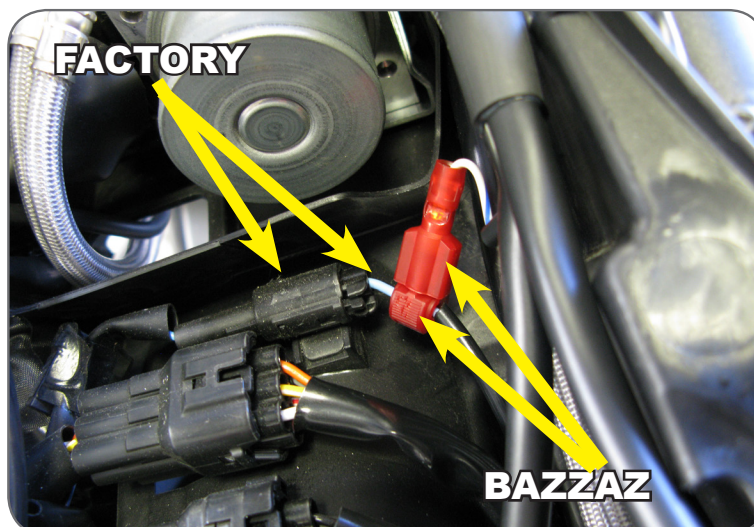
## 5.1

1. Locate the factory two pin CKPS connector, which can be found near the front of the battery.
2. Separate the factory dark grey wire, and use the supplied scotchlok to crimp onto the dark grey wire.
3. Connect the Bazzaz CKPS connector.



## 5.2

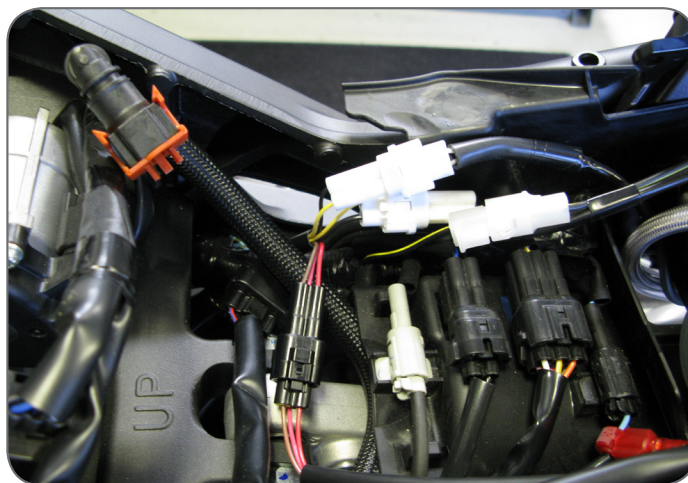
1. Locate the factory neutral connector, which can be found in front of the ABS module mounted to the black plastic under tray.
2. Use the supplied scotchlok to crimp onto the factory light blue wire.
3. Connect the Bazzaz neutral connector.



# 5>CONNECT (CONT.)

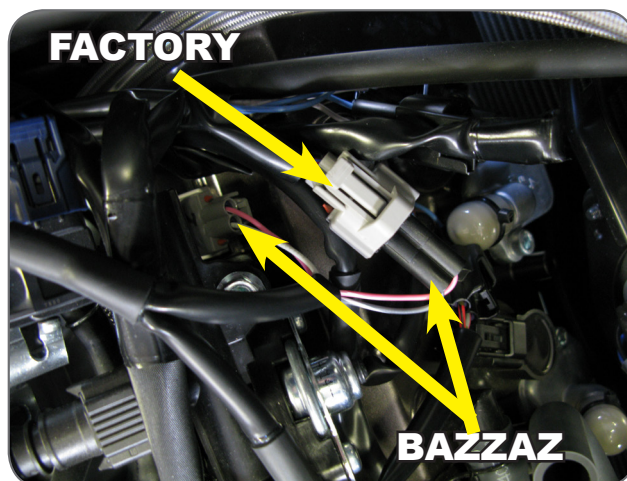
## 5.3

1. Locate the factory two pin white rear wheel speed sensor connector, which can be found on the right hand side of the bike near the factory neutral sensor.
2. Disconnect the factory speed sensor connector.
3. Install the Bazzaz speed amplifier inline.
4. Connect the Bazzaz speed amplifier to the Bazzaz speed connector on the Bazzaz fuel harness.



## 5.4

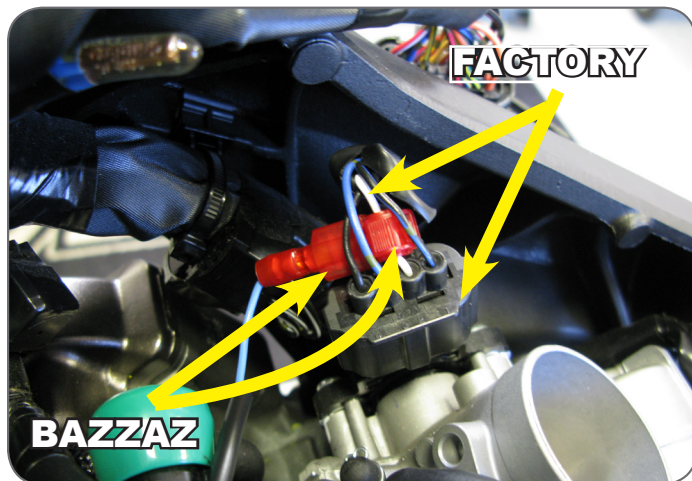
1. Route the remaining Bazzaz injector connectors towards the front of the throttle bodies.
2. Locate and disconnect the factory injector connector.
3. Install the Bazzaz injector connectors inline.
4. Repeat steps 1-3 for the next two injectors from left to right.



# 5>CONNECT (CONT.)

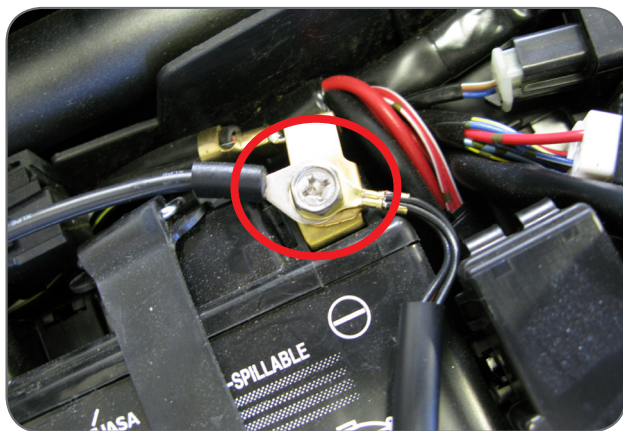
## 5.5

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



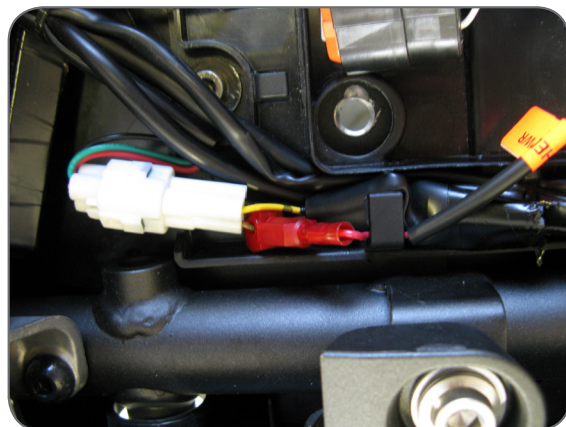
## 5.6

1. Locate the Bazzaz ground lug and install on the factory negative battery terminal



## 5.7

1. Locate the factory tail light connector, which can be found on the right hand side of the bike in the tail section.
2. Separate the factory brown wire and use the supplied scotchlok to crimp onto the factory brown wire.
3. Connect the Bazzaz +12V SW connector.



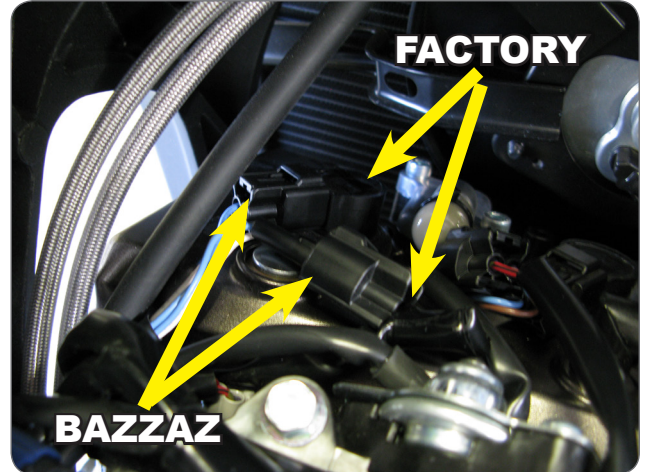
**SECTION 6>CONNECT, AND 7>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 8>O2 ELIMINATION**

# 6>CONNECT

## 6.1

(FOR USE WITH Z-FI TC ONLY!)

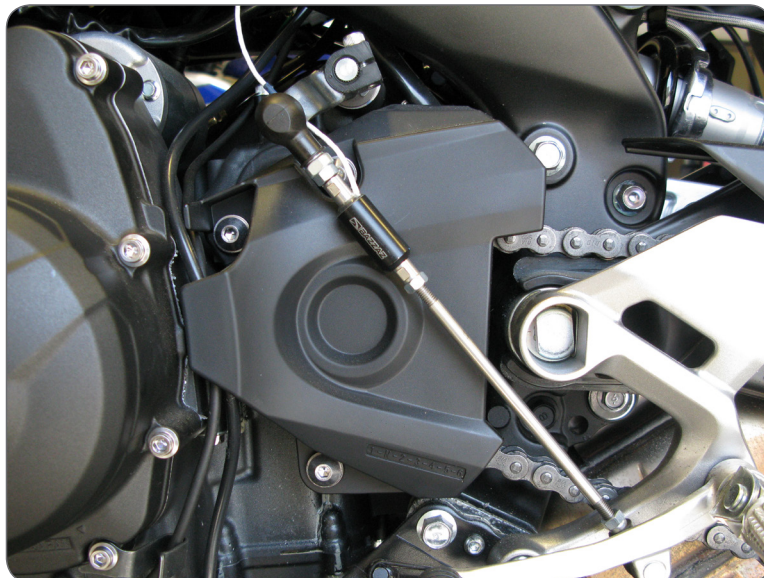
1. Connect the Bazzaz coil harness to the Bazzaz control unit, and begin to route the harness along the left hand side of the bike towards the top of the valve cover.
2. Locate the factory number one coil.
3. Disconnect the factory coil connector and install the Bazzaz coil connector inline.
4. Repeat steps 2-3 for the next to coils from left to right



# 7>QUICKSHIFT

(FOR USE WITH Z-FI TC ONLY!)

1. Measure and note your shift pedal height, so that you may reposition the shift pedal once complete.
2. Remove the factory shift rod.
3. Install the Bazzaz shift switch using one of the supplied allen stud bolts, and tighten.
4. Begin to install the Bazzaz shift rod. (The shift rod may need to be cut to obtain original shift pedal height.)
5. Tighten each lock nut once your desired shift pedal height is obtained.



# 8>O2 ELIMINATION

1. Locate the factory O2 sensor connector, which can be found on the right hand side of the bike mounted on the frame near the rear set.
2. Disconnect the sensor from the factory harness, and secure it away from any hot or moving parts.

# 9>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).



# 10>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-



## 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)

# 11>REINSTALL

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

# 12>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).

# 13>NEXT LEVEL MAP SELECT SWITCH

Purchased separately.

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

Weatherproof toggle and easy installation.

**79.95**



## 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**



# 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**



# TC ACTIVE LIGHT

Purchased separately.

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**

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