

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL MANAGEMENT

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

**HONDA CBR650F | 2015**  
**F3411 | T3411**

## 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).

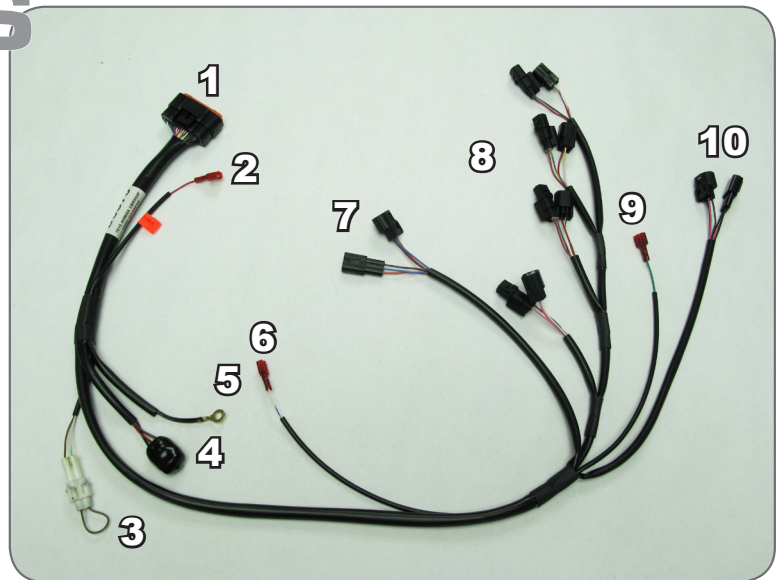
# 2>IDENTIFY

## 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. O2 Stabilizer
6. USB cable
7. Swingarm stickers
8. Velcro
9. Download Bazzaz software from [bazzaz.net/index.php/software-overview](http://bazzaz.net/index.php/software-overview)

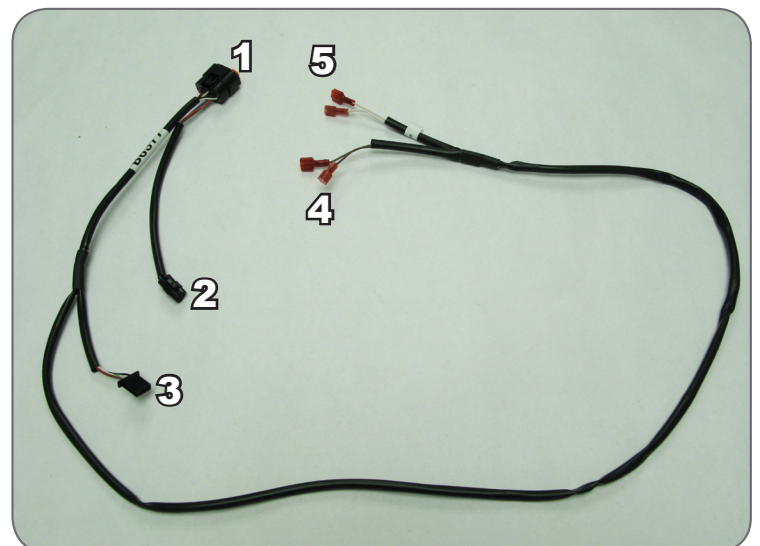
## FUEL HARNESS

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



## COIL HARNESS (Z-FI TC ONLY)

1. Main
2. TC Adjust Switch
3. Shift Switch
4. Rear Coil
5. Front Coil

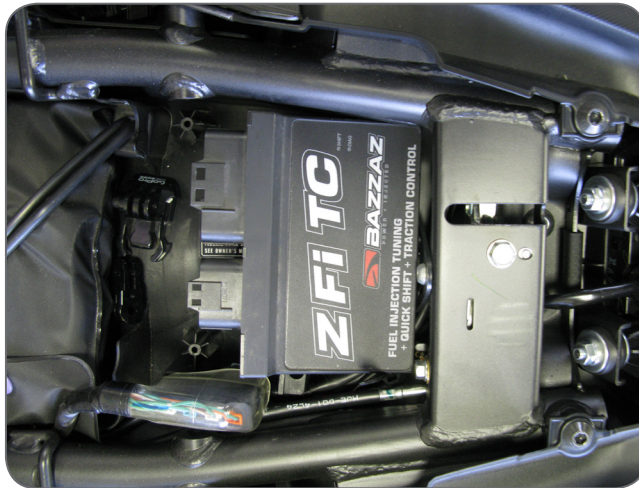


# 3>REMOVE

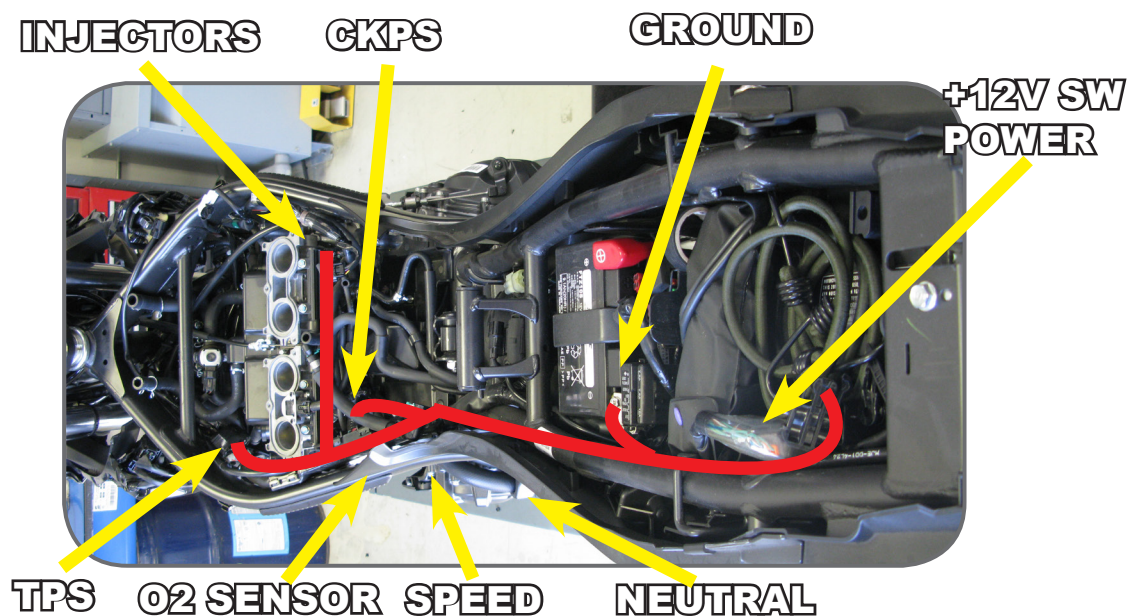
1. Rider seat.
2. Passenger seat.
3. Both side fairings.
4. Fuel tank.
5. Air box.

# 4>SECURE

1. Mount the Bazzaz control unit using the supplied Velcro in the tail section of the bike.



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

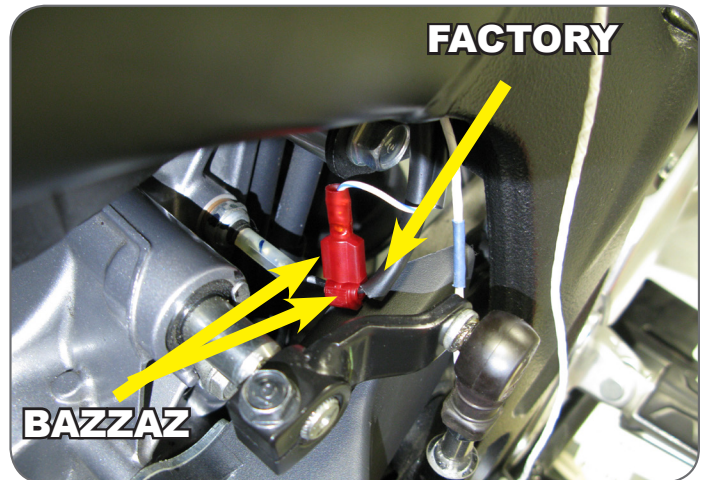




# 5>CONNECT

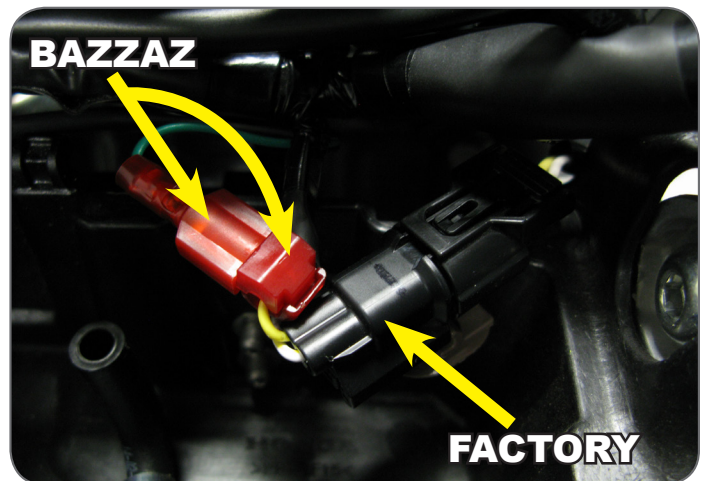
## 5.1

1. Locate the factory neutral sensor connector which can be found near the shift linkage.
2. Pull the factory sheathing back to expose the factory wire, and use the supplied scotchlok to crimp onto the factory neutral wire.
3. Connect the Bazzaz neutral wire.



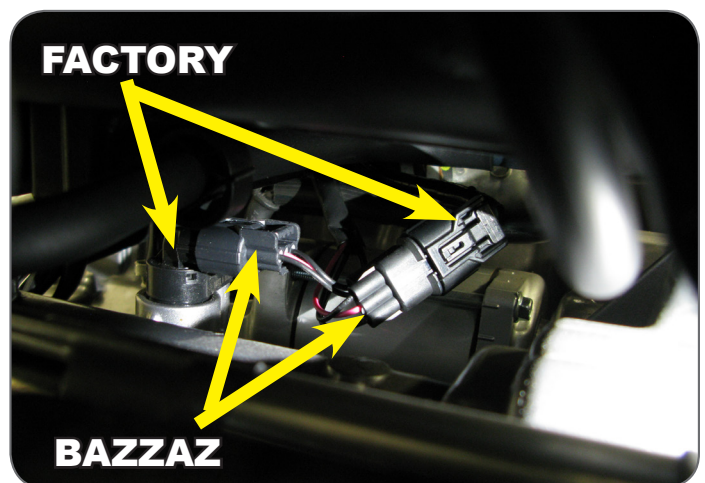
## 5.2

1. Locate the factory CKPS connector, which can be found mounted to the black plastic tray.
2. Expose the factory yellow wire, and use the supplied scotchlok to crimp onto the wire.
3. Connect the Bazzaz CKPS connector.



## 5.3

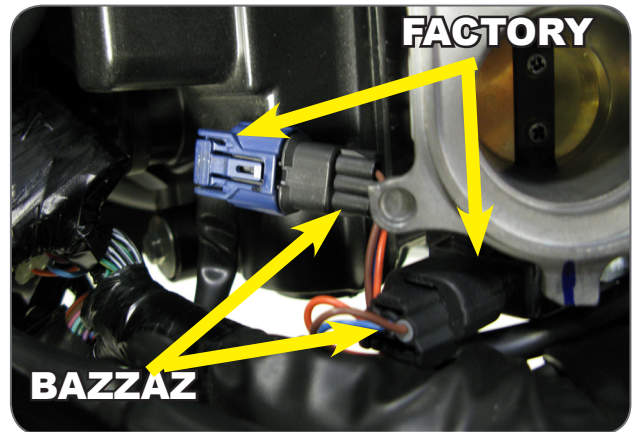
1. Locate the factory speed sensor connector, which can be found on top of the transmission case of the motor.
2. Disconnect the factory speed sensor connector and install the Bazzaz inline.



# 5>CONNECT (CONT.)

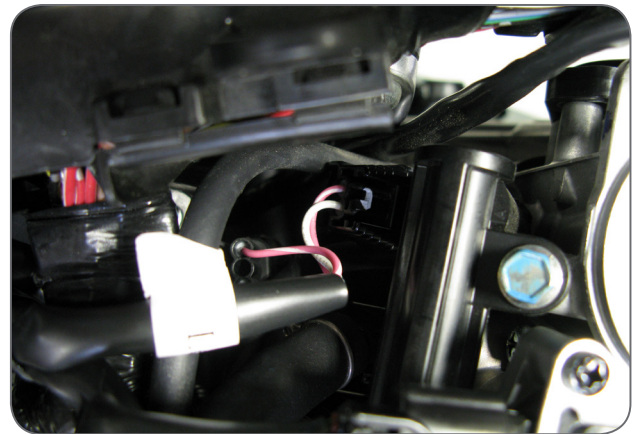
## 5.4

1. Locate the factory TPS connector, which can be found on the far left hand side of the throttle bodies.
2. Disconnect the factory TPS connector, and install the Bazzaz TPS connectors inline.



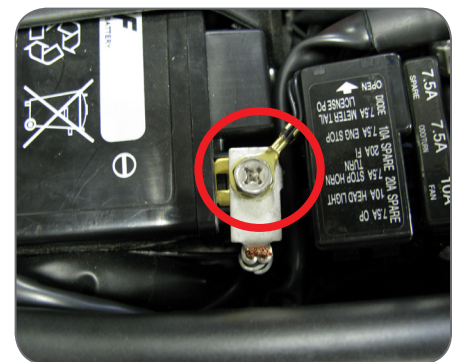
## 5.5

1. Locate the factory injector connectors, which can be found just below the fuel rail.
2. Disconnect each injector connector, one at a time, from left to right, and install the Bazzaz injector connectors inline.



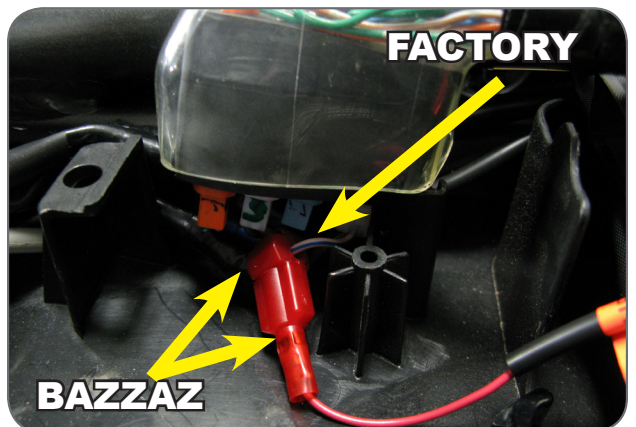
## 5.6

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



## 5.7

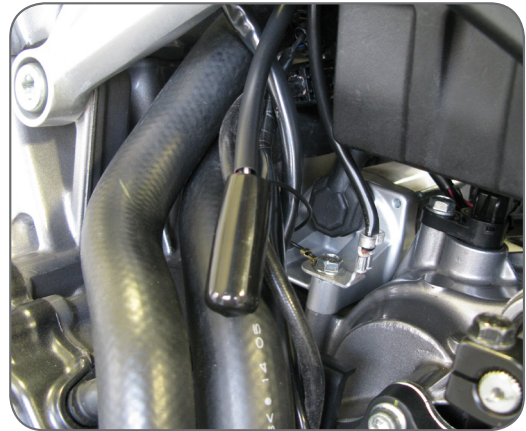
1. Locate the factory tail light connector and begin to separate the pink/blue wire from the rest.
2. Use the supplied scotchlok to crimp onto the factory pink/blue wire and connect the Bazzaz +12v switch power connector.





# 6>O2 STABILIZER

1. Locate the factory O2 sensor connector, by locating the O2 sensor and tracing the wire up to the connector.
2. Disconnect the factory O2 sensor and install the Bazzaz O2 stabilizer. Connect the O2 stabilizers ground lug to a factory 8mm bolt on the engine.



**SECTION 7>CONNECT, AND 8>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 9>SECURE**

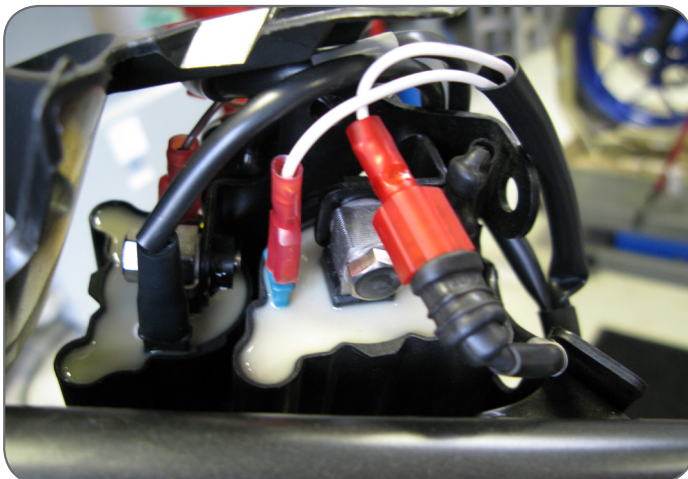
## 7>CONNECT

(FOR USE WITH Z-FI TC ONLY!)

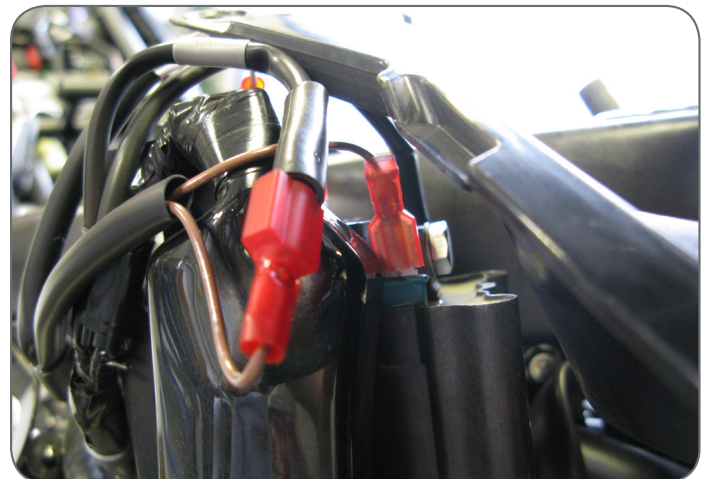
### 7.1

1. Connect the Bazzaz coil harness to the control unit, and begin to route the harness along the right hand side of the bike up towards the factory coils.
2. Once at the coils ensure to connect the Bazzaz white wire coil connector labeled as rear to the green marked connector on the coil itself.
3. Use the remaining coil connector to repeat step 2 for the front coil.

**FRONT COIL**



**REAR COIL**



# 8>QUICKSHIFT

(FOR USE WITH Z-FI TC ONLY!)

1. Measure and note your shift pedal height so you may reposition the shift pedal 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



# 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-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)

# 11>REINSTALL

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

# 12>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**

# 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**

**F3411 | T3411**