

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL

**YAMAHA, YZF R1 2004-2006  
127017**

## 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 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



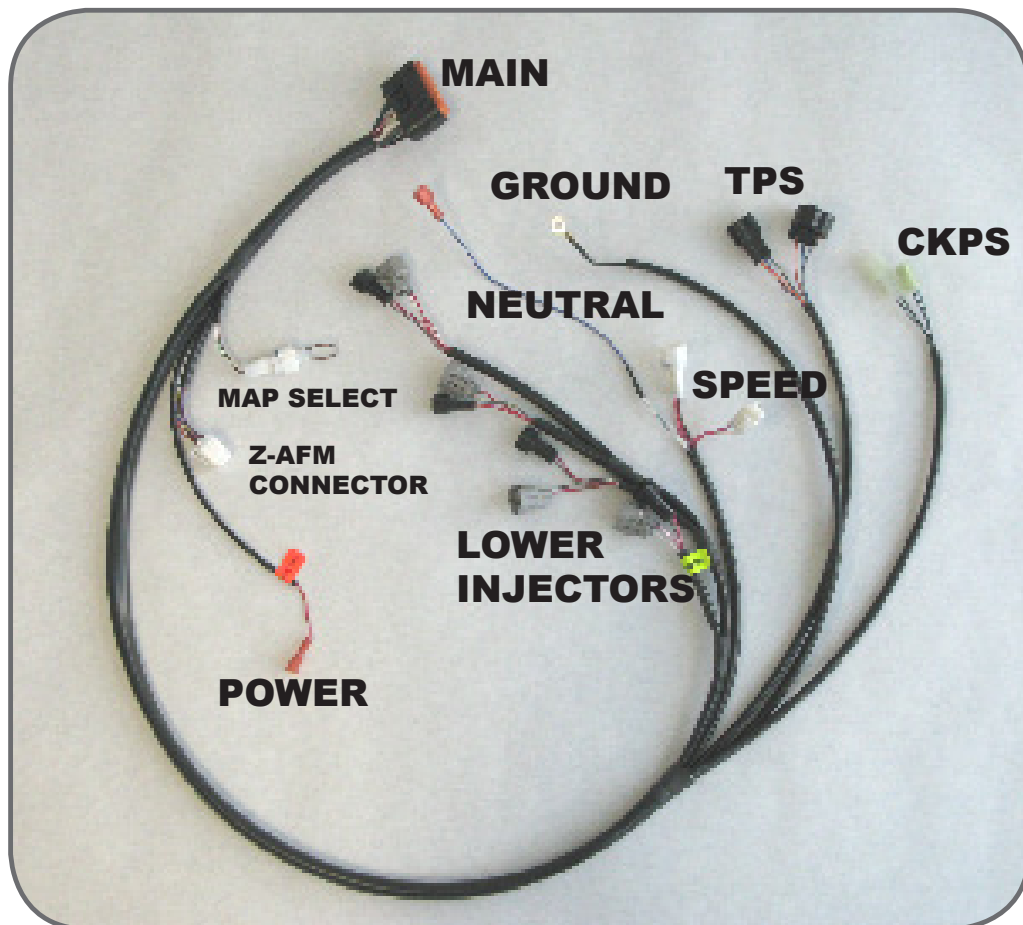
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net).

# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi QS/TC control unit
2. Fuel harness
3. USB cable
4. Scotchlok (2)
5. Zip ties
6. Velcro

## FUEL HARNESS

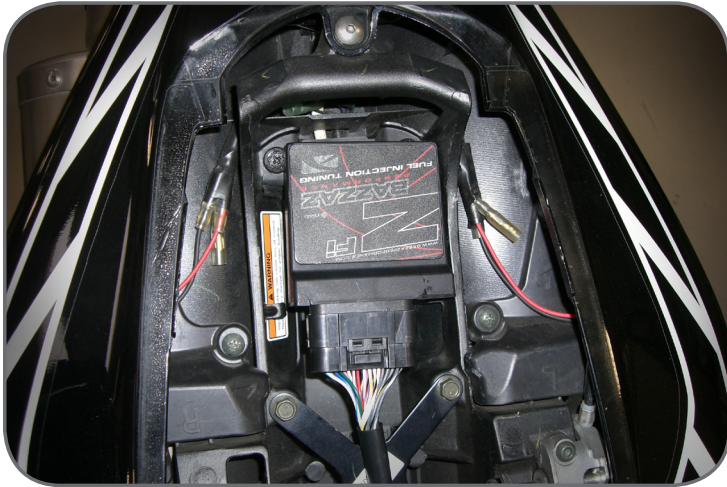


# 3>REMOVE

1. Rider seat
2. Passenger seat
3. Fuel tank and airbox

# 4>SECURE

1. Mount the control unit in the tail section of the bike.



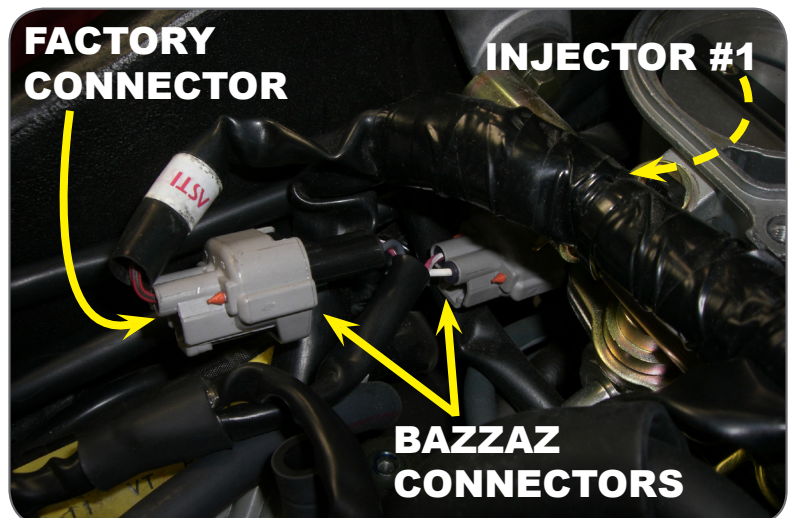
# 5>CONNECT

## 5.1

1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Route the harness on the left side of the bike, towards the engine compartment.

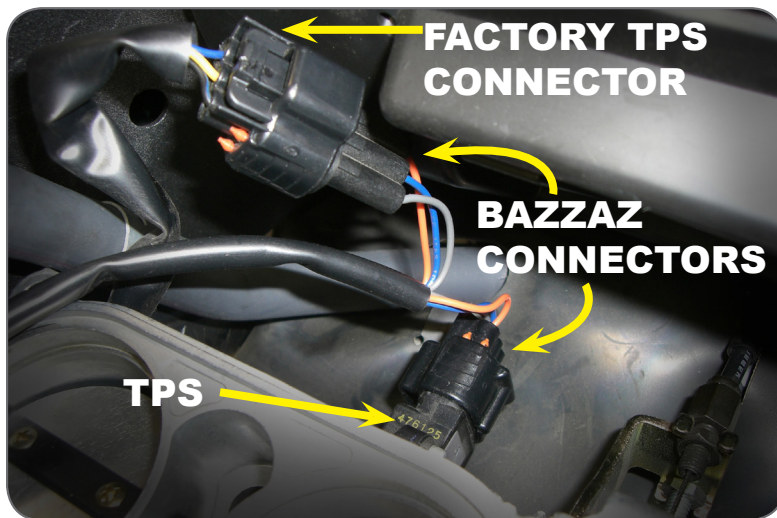
## 5.2

1. Locate the lower factory injectors, which can be found below the fuel rail.
2. Disconnect the factory connector from injector #1.
3. Plug the Bazzaz injector #1 connectors in-line between the factory connector and injector.
4. Continue process for each injector from left to right.



# 5>CONNECT (CONT.)

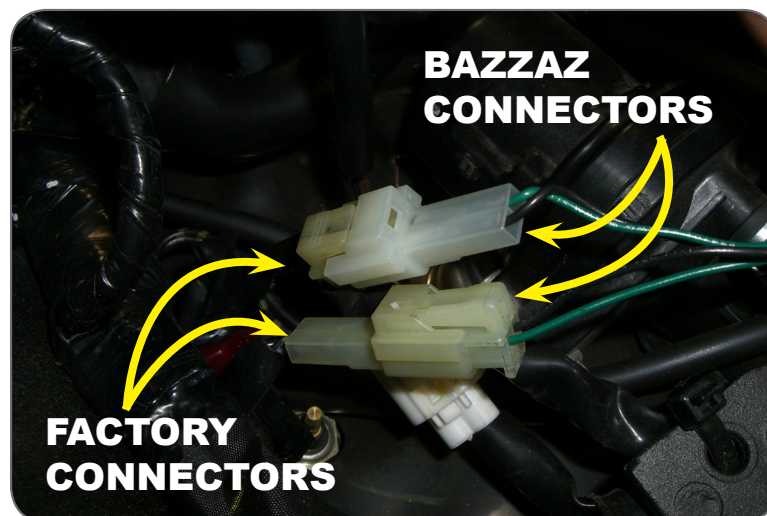
## 5.3



1. Locate the factory Throttle Position Sensor (TPS), which can be found on the front of the throttle bodies, between cylinders 1&2.
2. Disconnect the factory TPS connector from the sensor.
3. Plug the Bazzaz TPS connectors in-line between the factory connector and TPS.

## 5.4

1. Locate the factory Crank Position Sensor (CKPS) found in the right side (rear) of the engine compartment.
2. Disconnect the factory CKPS connectors.
3. Plug the Bazzaz CKPS connectors in-line with the factory connectors.

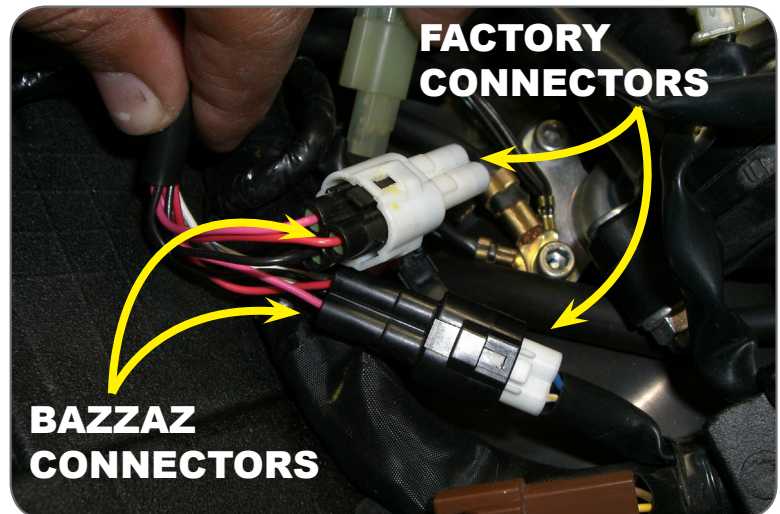




# 5>CONNECT (CONT.)

## 5.5

1. Locate the 3-pin factory speed sensor connectors found near the CKPS connectors.
2. Disconnect the factory speed sensor connectors.
3. Plug the Bazzaz speed sensor connectors in-line with the factory connectors.



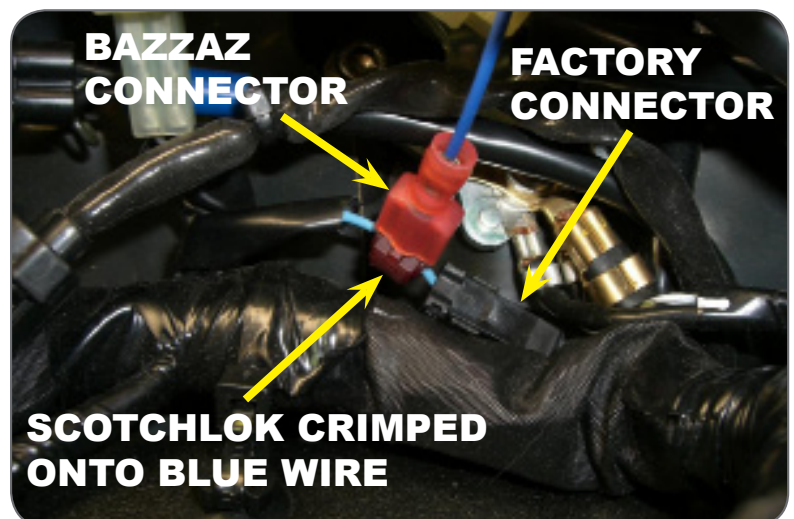
# 6>GROUND

1. Locate the factory ground found near the factory speed sensor.
2. Unbolt the factory ground bolt and install the Bazzaz ground lug.
3. Reinstall the factory ground bolt.

# 7>CONNECT

## 7.1

1. Locate the factory neutral sensor connector found near the factory ground.
2. Pull back the sheathing of the factory neutral sensor connector to expose the blue wire.
3. Crimp a supplied Scotchlok onto the exposed **blue** wire.
4. Insert the Bazzaz neutral connector into the Scotchlok.



# 7>CONNECT (CONT.)

## 7.2



1. Locate the factory brake light connector (3-pin, white connector) found in the tail section of the bike.
2. Pull back the sheathing of the factory brake light connector to expose the wires.
3. Crimp a supplied Scotchlok onto the exposed **blue/red** wire.
4. Insert the Bazzaz power connector into the Scotchlok.

# 8>O2 SENSOR

1. Locate the factory O2 sensor connector.
2. Disconnect the sensor connector from the factory harness, as it will no longer be used.
3. The wires should be neatly secured away from any moving components, or the sensor may be removed and the remaining port/bung in the exhaust can then be plugged.

# 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



If any problem is found, please carefully follow through the installation steps again.



If problem still persists, please contact Bazzaz tech support

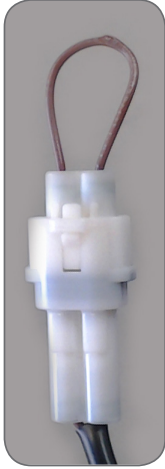
- Factory support is available in the US at 909-597-8300.
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# 11>REINSTALL

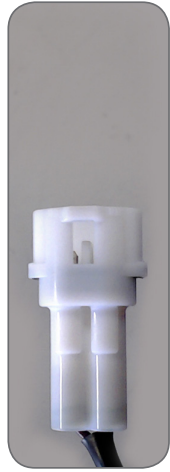
After it is determined that everything is correct, reinstall the components removed in step 3.



# 12>USE



**MAP 1**



**MAP 2**

## MAPS

The Bazzaz controller is capable of storing two maps.

**This controller is pre-programmed from the factory with 2 maps. Map 1 is for the 2006 models. Map 2 is for the 2004-2005 models.**

Switch maps by connecting or disconnecting the map select jumper supplied with the kit.

# 13>SOFTWARE



Download the latest software and instructions at [bazzaz.net](http://bazzaz.net)

### 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

# 14>NEXT LEVEL

## MAP SELECT SWITCH

Purchased separately.

**79.95**

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



## 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**





**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the  
**United States**

**127017**