

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**HONDA RC51 | 2002-2006**  
**F345 FUEL CONTROL**

## 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



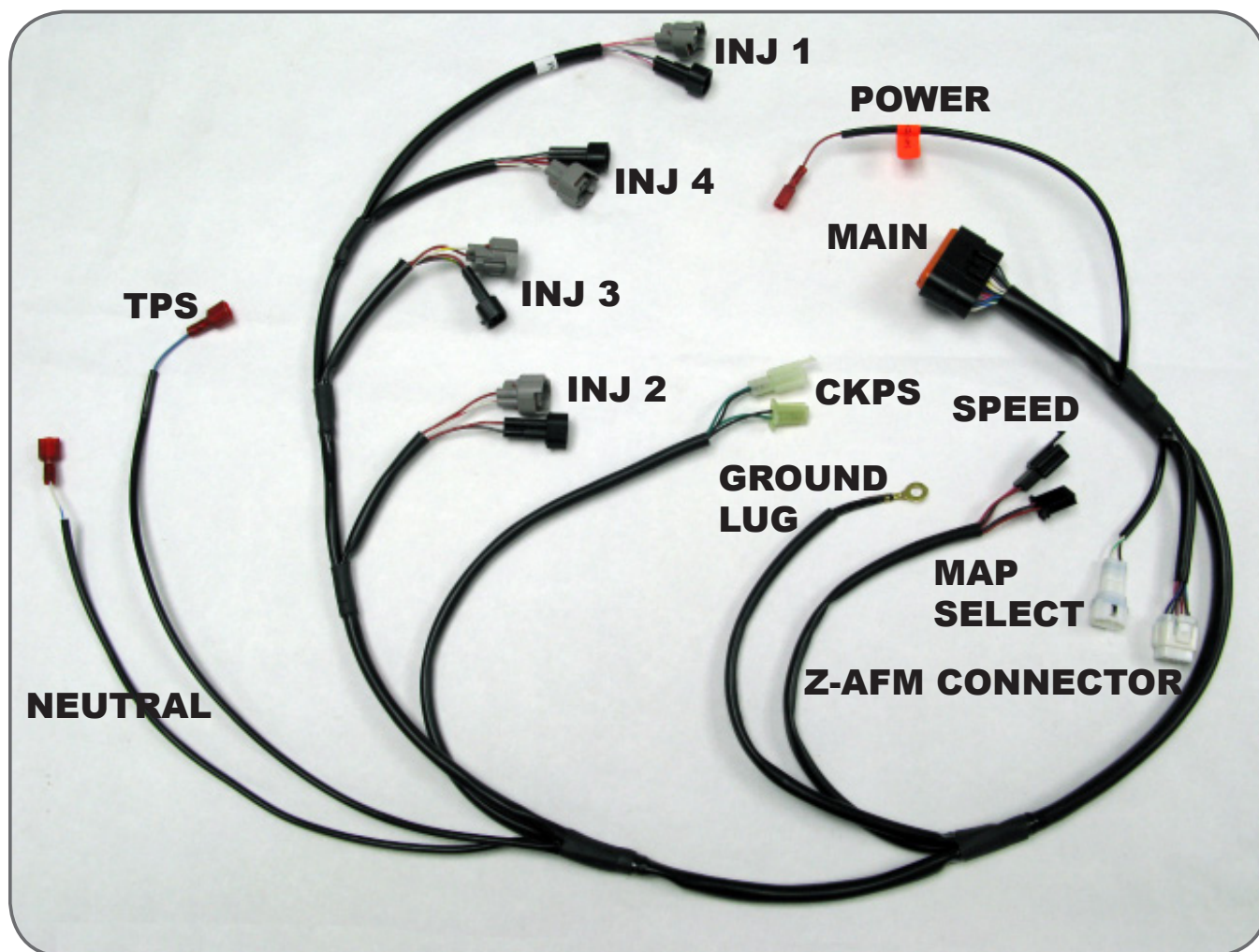
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net).

# 2>IDENTIFY

## INCLUDED PARTS

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

## FUEL HARNESS



## 3> REMOVE

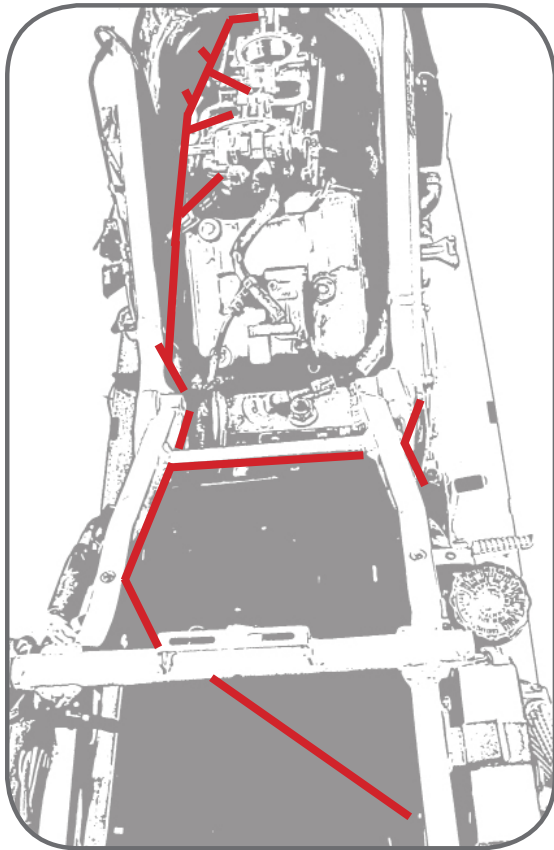
1. Seat
2. Fuel tank
3. Airbox
4. Left side fairing
5. Rear cowling

## 4> SECURE

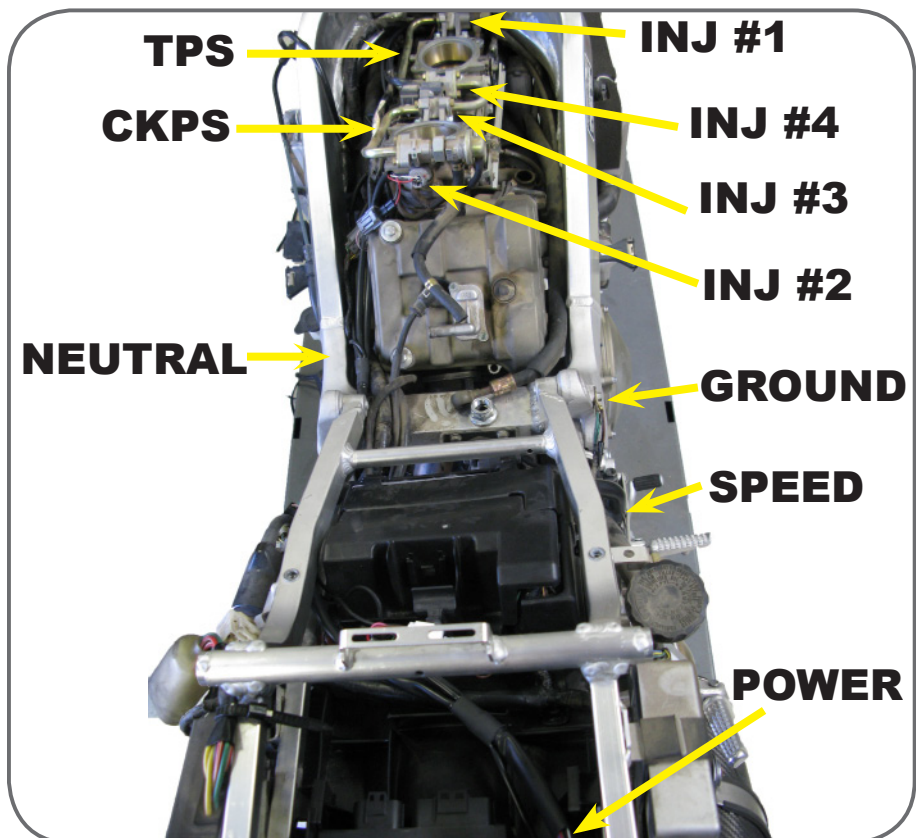
Using the supplied Velcro patch, secure the Bazzaz control unit in the tail section.



# 5 > CONNECT

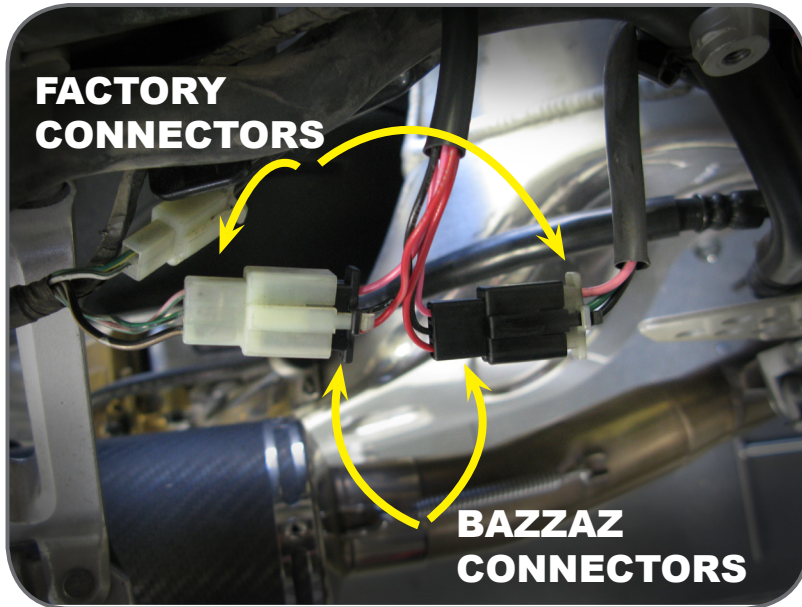


1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Route the harness towards the motor, down the left side of the bike.



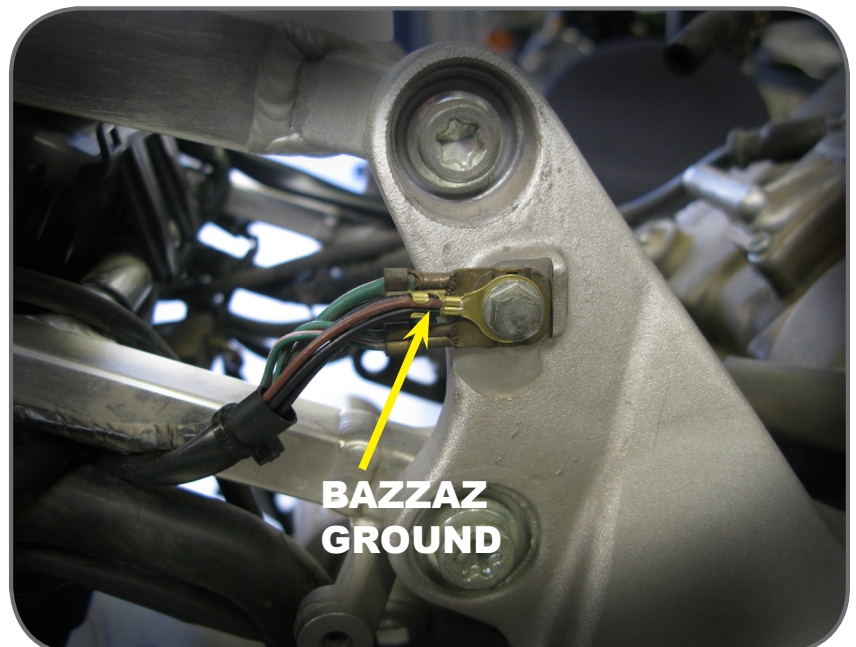
# 6>CONNECT

1. Route the Bazzaz speed connectors towards the right side of the bike, in front of the battery box.
2. Locate the factory speed connectors which can be found on the outside of the subframe.
3. Disconnect the factory speed connectors and plug the Bazzaz speed connectors in-line with the factory connectors.



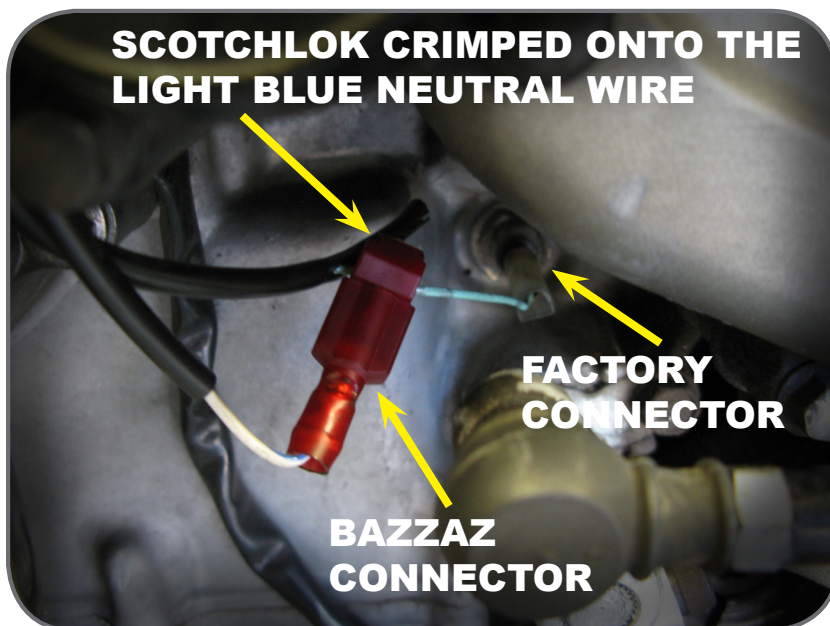
# 7>GROUND

1. Route the Bazzaz ground lug down the same path as the Bazzaz speed connectors.
2. Locate the factory ground, located on the right hand side of the frame.
3. Unbolt the factory 8mm bolt and install the Bazzaz ground lug.
4. Reinstall the factory 8mm bolt.



# 8>CONNECT

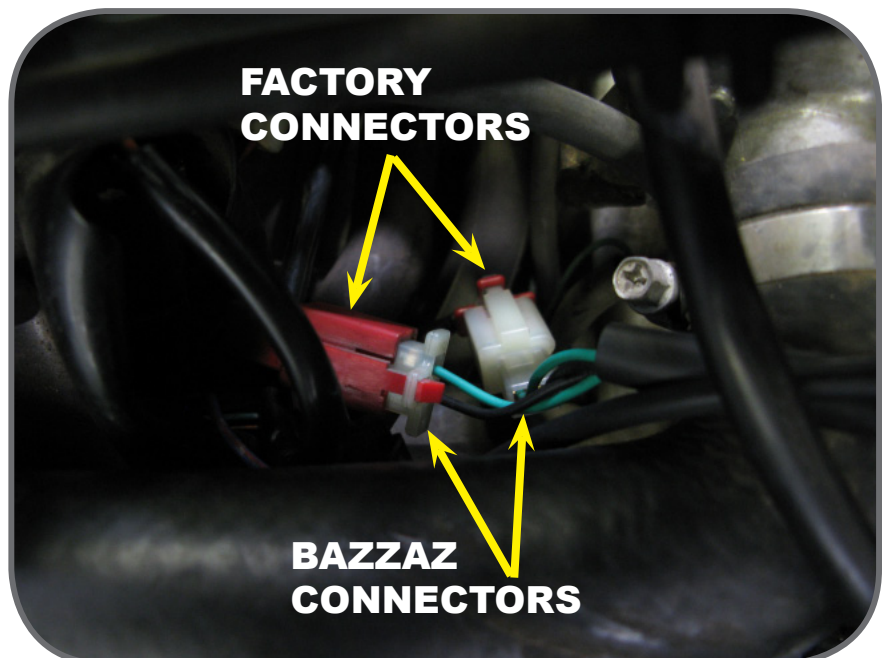
## 8.1



1. Continue to route the Bazzaz harness along the left side of the bike, towards the motor.
2. Locate the Bazzaz neutral connector and route it towards the top of the shift shaft.
3. Disconnect the factory neutral sensor (has a light blue wire) from the motor.
4. Strip back a small portion of the sheathing to expose the wire of the factory neutral sensor.
5. Crimp a supplied Scotchlok onto the exposed wire.
6. Connect the Bazzaz neutral connector into the Scotchlok.
7. Reconnect the factory neutral sensor to the motor.

## 8.2

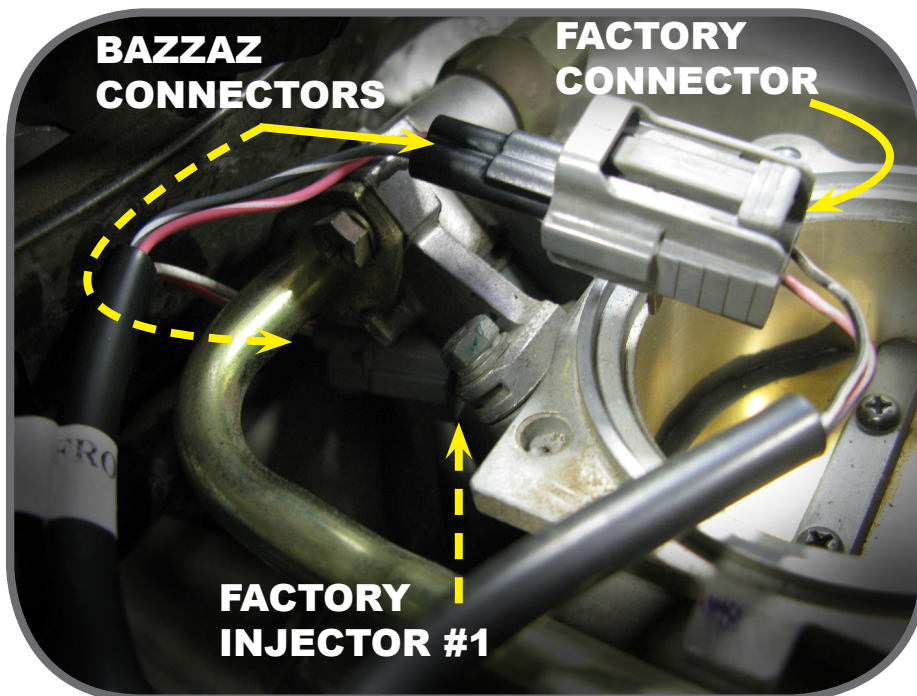
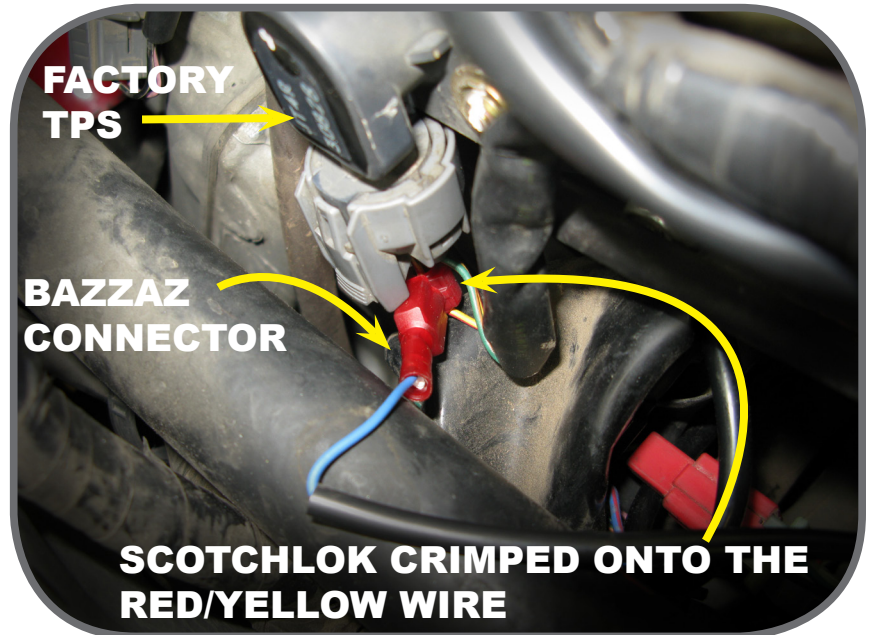
1. Locate the factory Crank Position Sensor (CKPS) connectors which can be found between the two cylinders, beneath the throttle bodies on the left side of the bike.
2. Disconnect the Factory CKPS connectors.
3. Plug the Bazzaz CKPS connectors in-line with the factory connectors.



# 8>CONNECT (CONT.)

## 8.3

1. Locate the Factory Throttle Position Sensor (TPS) which can be found on the left side of the front throttle body.
2. Disconnect the factory TPS connector from the sensor.
3. Crimp a supplied Scotchlok onto the red/yellow wire of the factory TPS connector.
4. Connect the Bazzaz TPS connector into the Scotchlok.
5. Reconnect the factory TPS connector with the sensor.

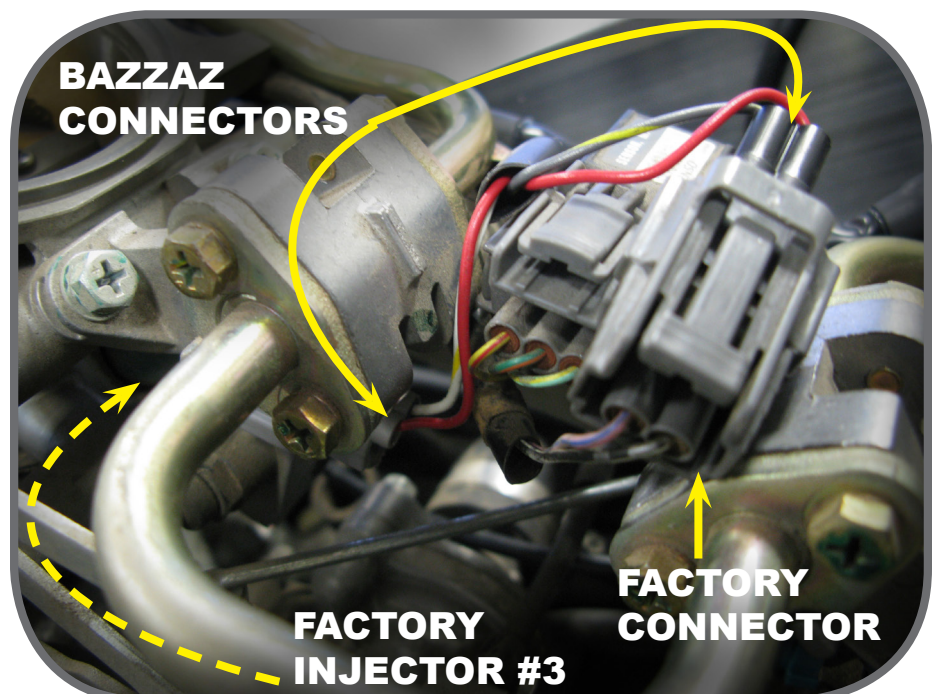
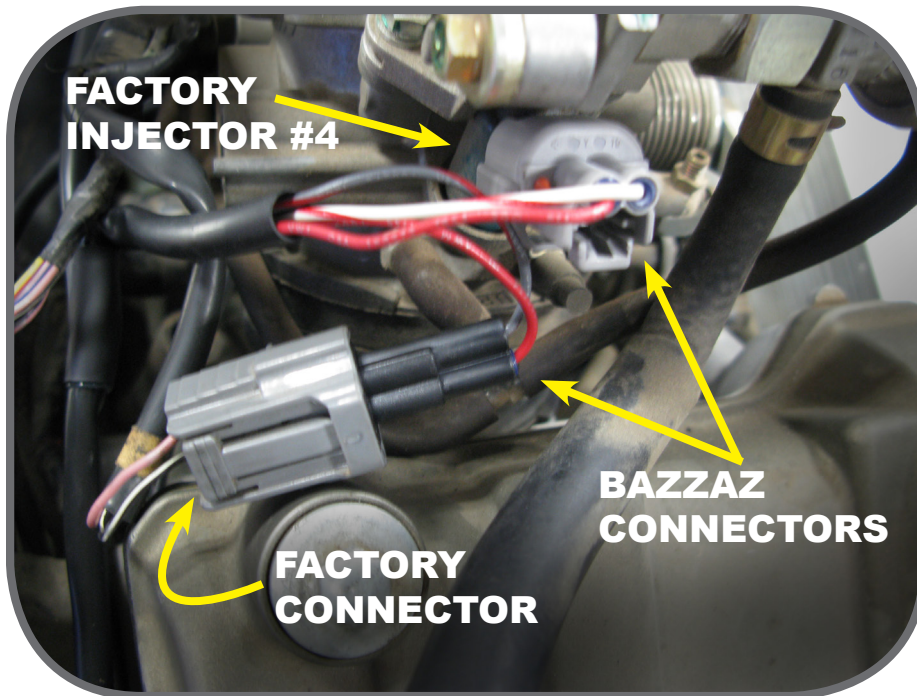


## 8.4

1. Locate factory injector #1 found at the front of the throttle body, between the frame.
2. Disconnect the factory injector connector from the injector.
3. Plug the Bazzaz injector #1 connector in-line between the factory connector and injector.

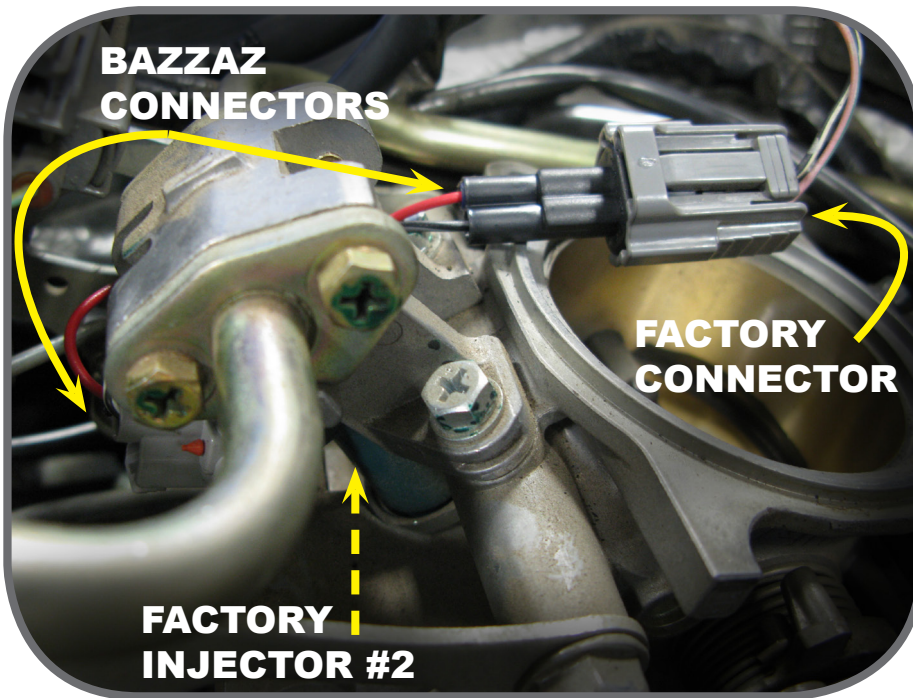
# 8>CONNECT (CONT.)

- 8.5**
1. Locate factory injectors #4 and #3 found between the two throttle bodies.
  2. Disconnect each factory injector connector from its injector.
  3. Plug the Bazzaz injector #4 connectors in-line between the factory #4 connector and injector.
  4. Plug the Bazzaz injector #3 connectors in-line between the factory #3 connector and injector.





# 8>CONNECT (CONT.)



## 8.6

1. Locate factory injector #2 found on the back side of the rear throttle body.
2. Disconnect the factory injector connector from the injector.
3. Plug the Bazzaz injector #2 connectors in-line between the factory connector and injector.

## 8.7

1. Locate the factory tail light connector in the tail section, near the Bazzaz control unit.
2. Crimp a supplied Scotchlok onto the black/brown wire of the factory tail light connector.
3. Connect the Bazzaz switched power connector into the Scotchlok.



# 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.



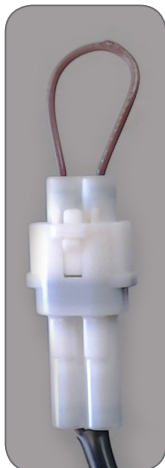
If problem still persists, please contact Bazzaz tech support

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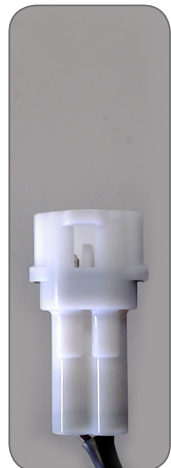
# 11>REINSTALL

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.

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.

Switch maps on the fly with this handlebar-mounted switch. Weatherproof toggle and easy installation. **79.95**



# Z AFM 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**

**F345**