

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFi** FUEL MANAGEMENT

**HONDA CRF450L | 2019  
F337**

## 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



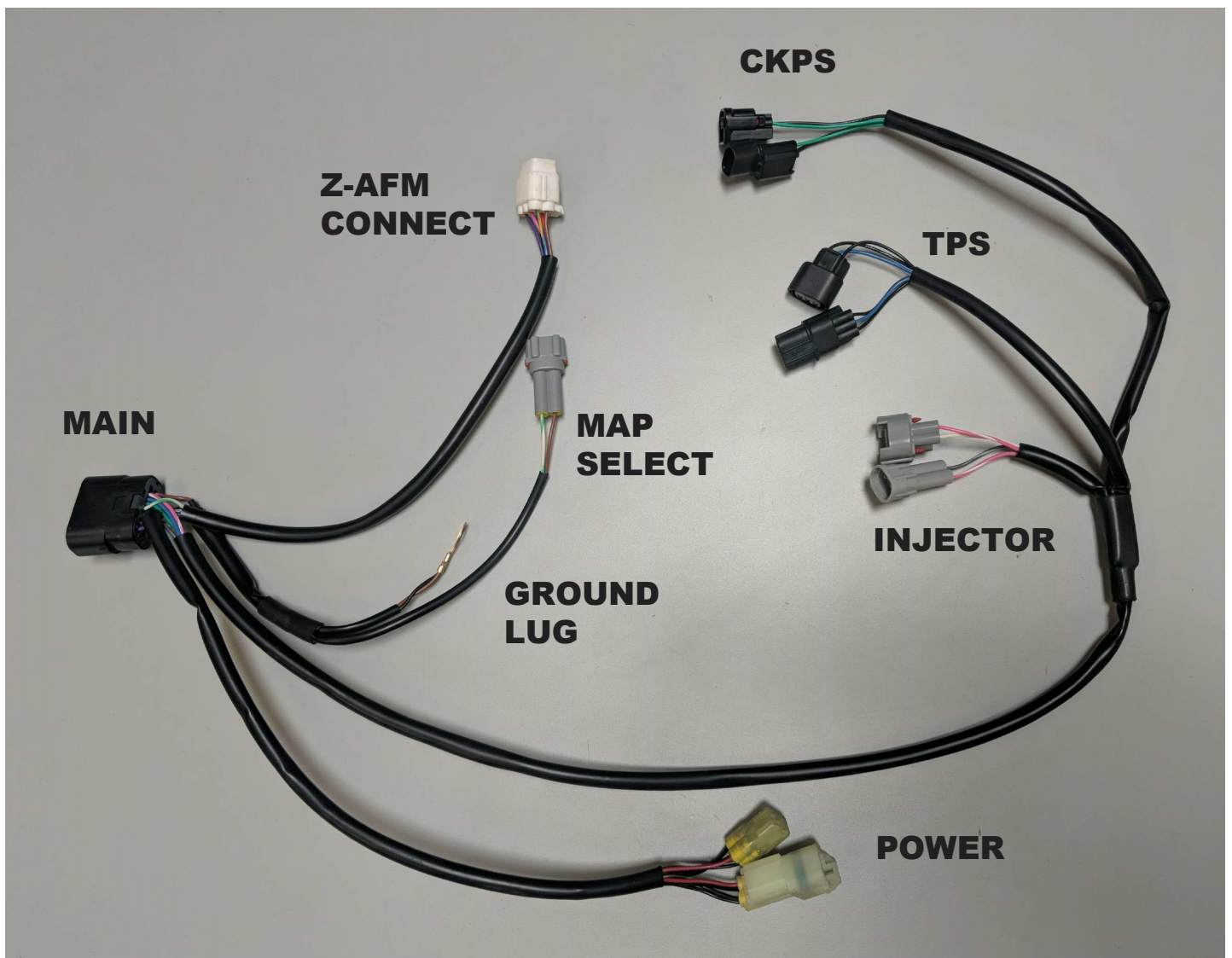
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at [bazzaz.net](http://bazzaz.net).

# 2>IDENTIFY

## INCLUDED PARTS

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

## FUEL HARNESS

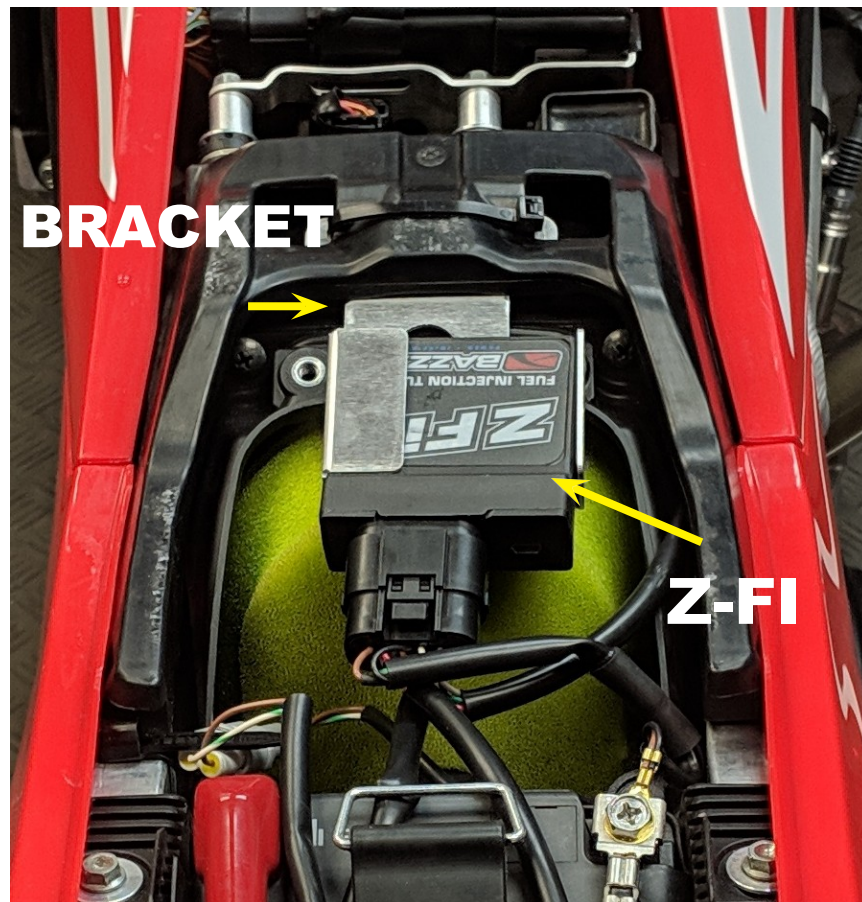


# 3> REMOVE

1. Seat
2. Left and Right panels
3. Fuel Tank
4. Air Box Cover

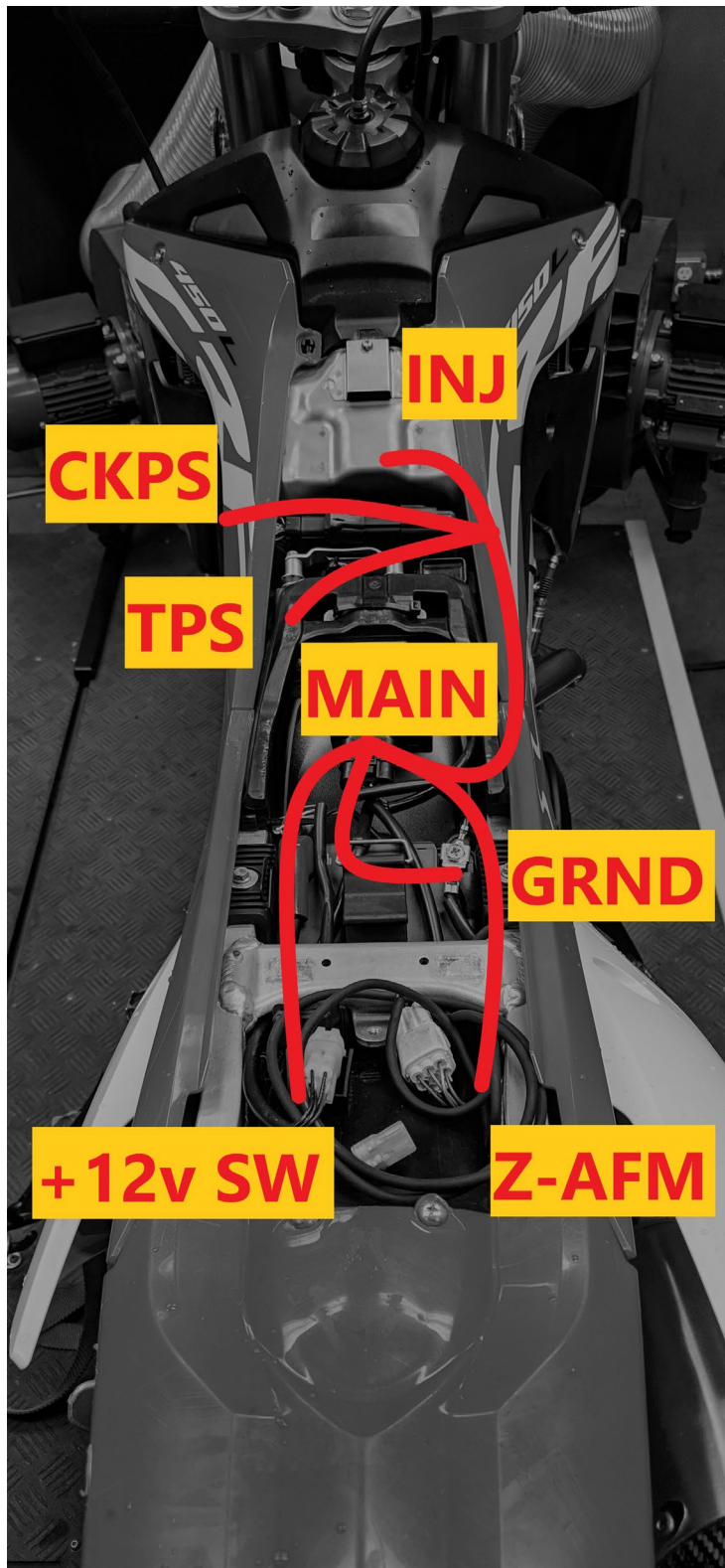
# 4> SECURE

1. Using the supplied Velcro patch, secure the Bazzaz bracket and control unit in the airbox as shown in the picture below. Please make sure that the control unit as well as the bracket are secured properly using the Zip Ties.
2. Use the 18" Zip Tie provided in the kit to secure the bracket.



# 5>CONNECT

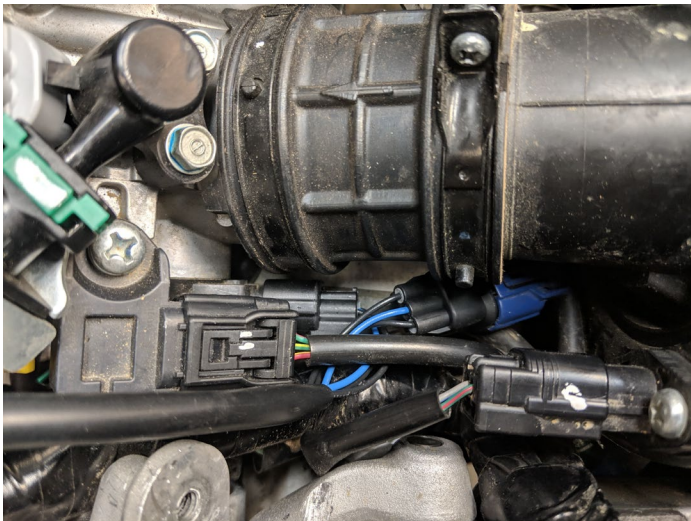
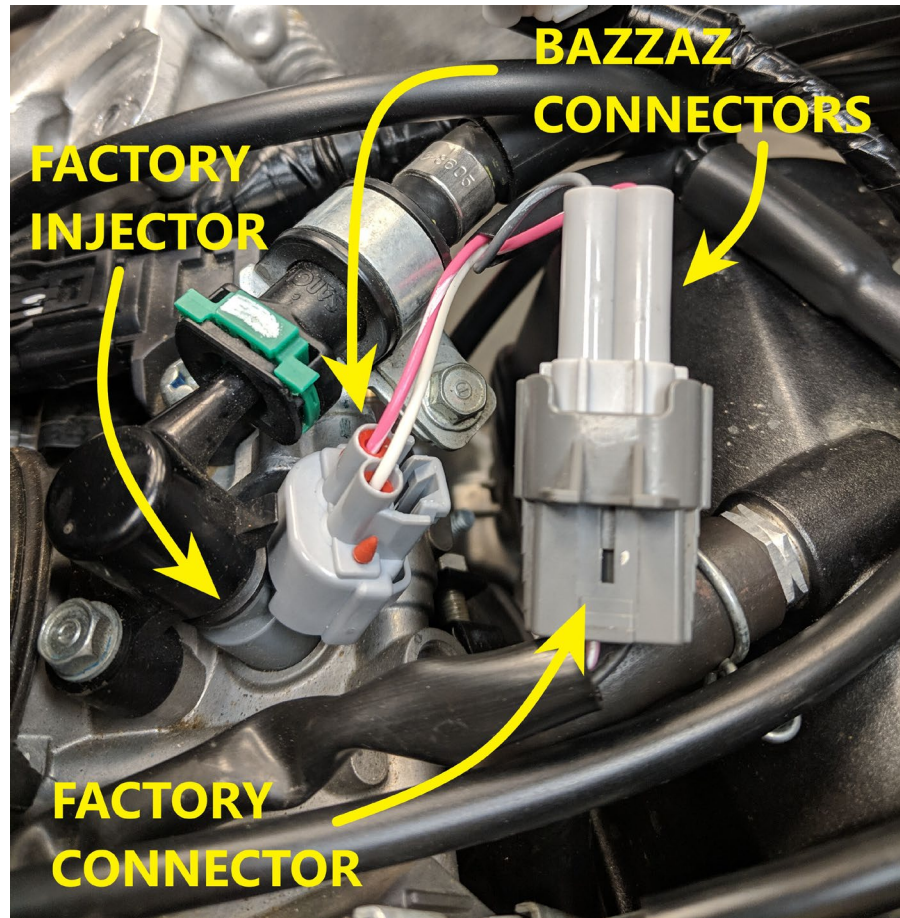
1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Begin routing the harness along the path shown in the image.
3. Route the +12v SW connector towards the tail section of the bike where the diagnostic connector is located.
4. Route the injector, TPS & CKPS along the right side of the bike.



# 6>CONNECT (CONT.)

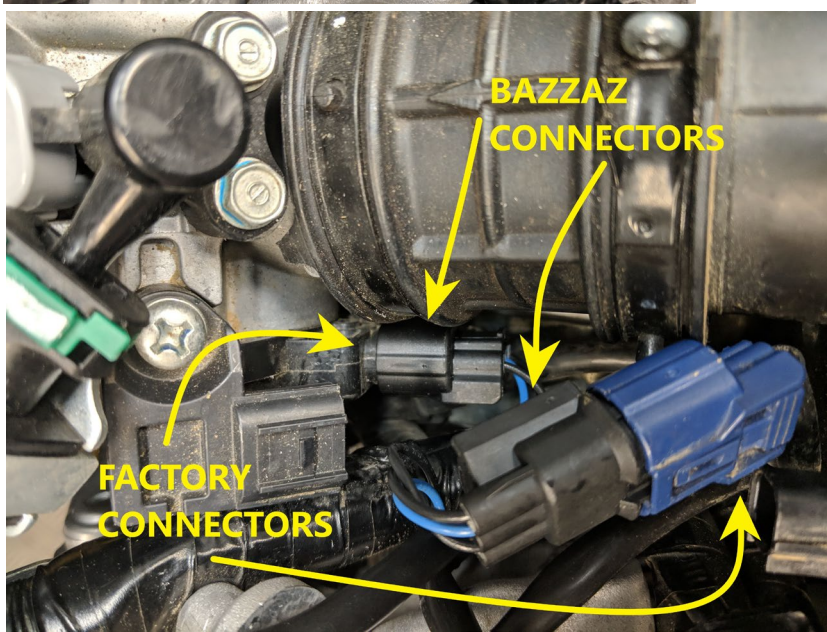
## 6.1

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

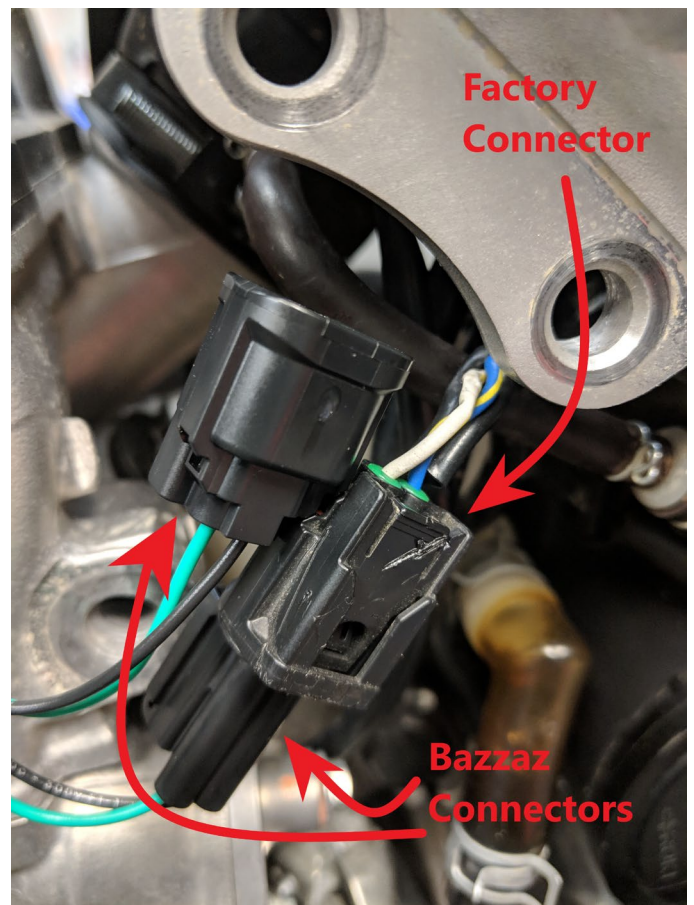
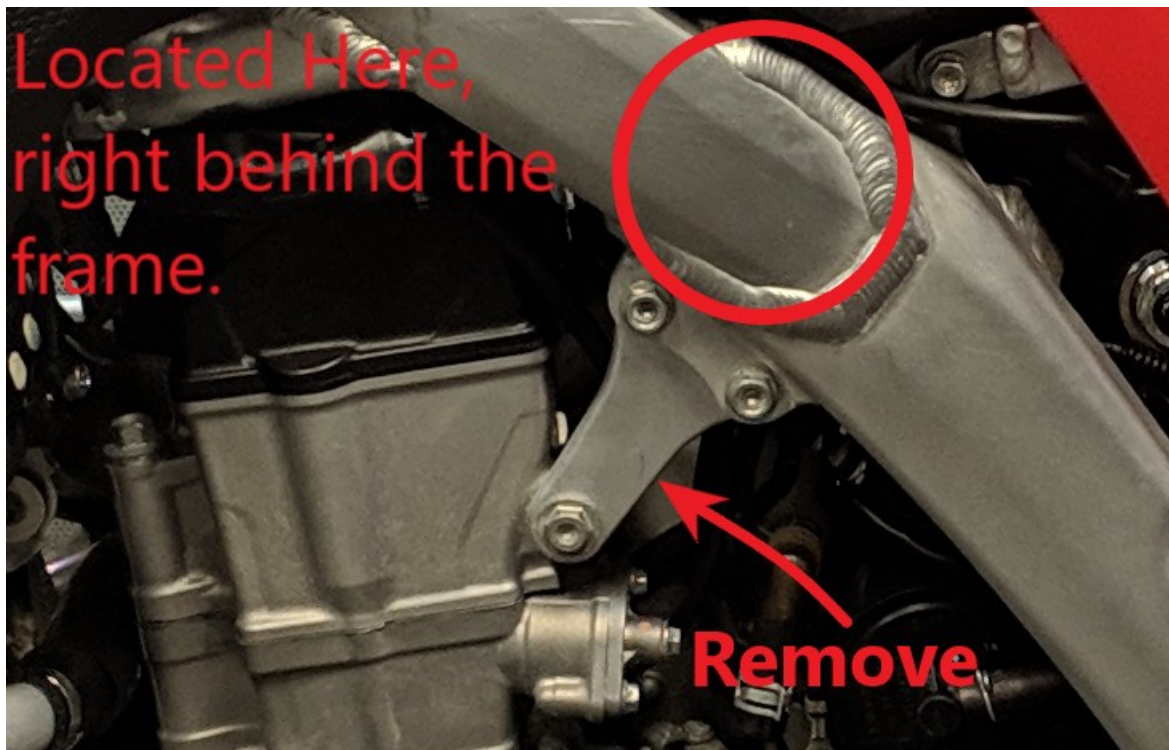


## 6.2

1. Locate the factory Throttle Position Sensor (TPS). The TPS is found on the lower left side of the throttle body, behind the frame.
2. Disconnect the factory TPS blue connector from the sensor.
3. Plug the Bazzaz TPS connectors in-line between the factory sensor and connector.



# 6>CONNECT (CONT.)

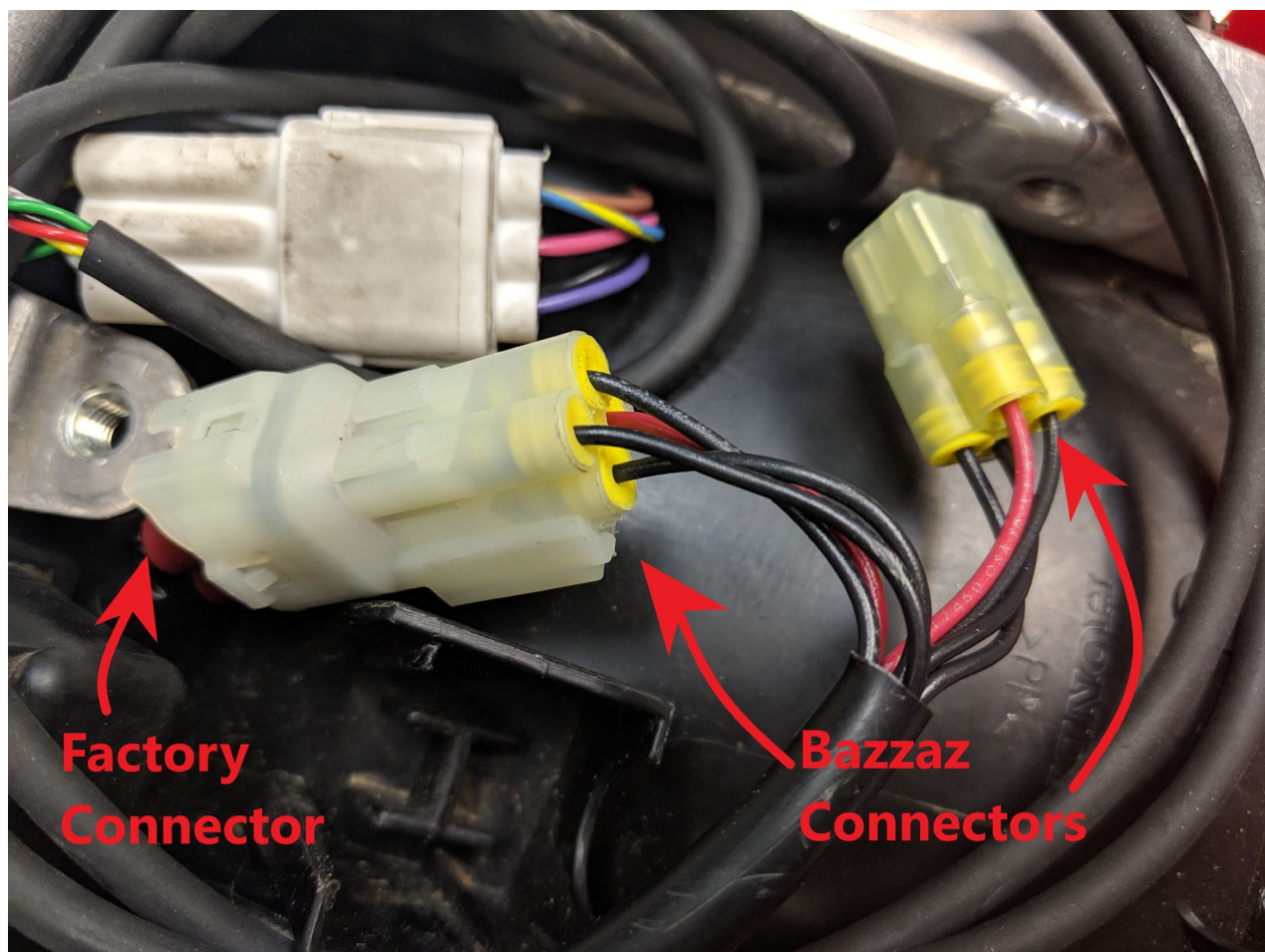
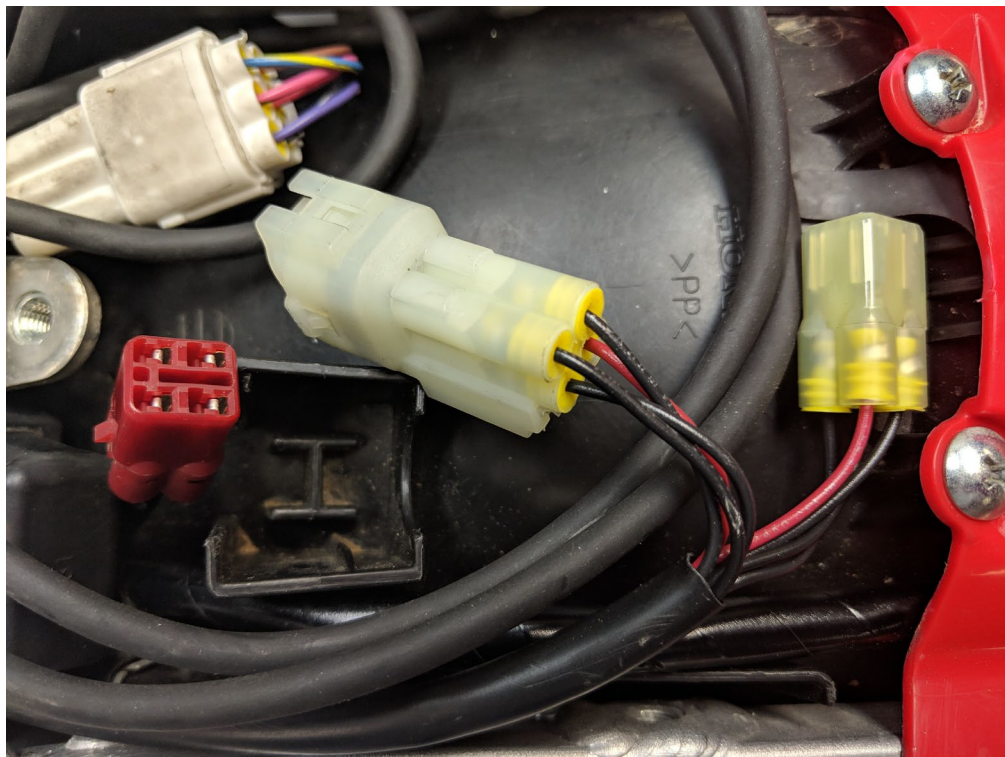


## 6.3

1. Locate the factory Crank Position Sensor (CKPS) located behind the frame. The CKPS connector is mounted directly to the frame.
2. If you are unable to locate the connector, follow the wires coming out of the crank case.
3. Disconnect the factory CKPS connectors.
4. Plug the Bazzaz CKPS connectors in-line with the factory connectors.

# 6.4

1. Locate the four-pin, factory diagnostic connector found behind the battery in the tail section.
2. Connect the Bazzaz +12V switched power connector in-line with the diagnostic connector.
3. The other end remains disconnected and will act as the diagnostic connector.



# 7>GROUND

1. Route the Bazzaz ground lug to the negative terminal of the battery.
2. Unbolt the factory 8mm bolt.
3. Install the Bazzaz ground lug.
4. Reinstall the factory 8mm bolt.



# 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



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. Map 1 is for STOCK system with the spark arrestor removed, the air box lid removed, and Map 2 is for use with FULL SYSTEM with air box lid removed.

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

# 12>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

# 13>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**



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Proudly made in the  
**United States**

**F337**