

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Z-Fi FUEL MANAGEMENT

**BENELLI TNT 135 | 2019
F800**

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 public lands.

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.

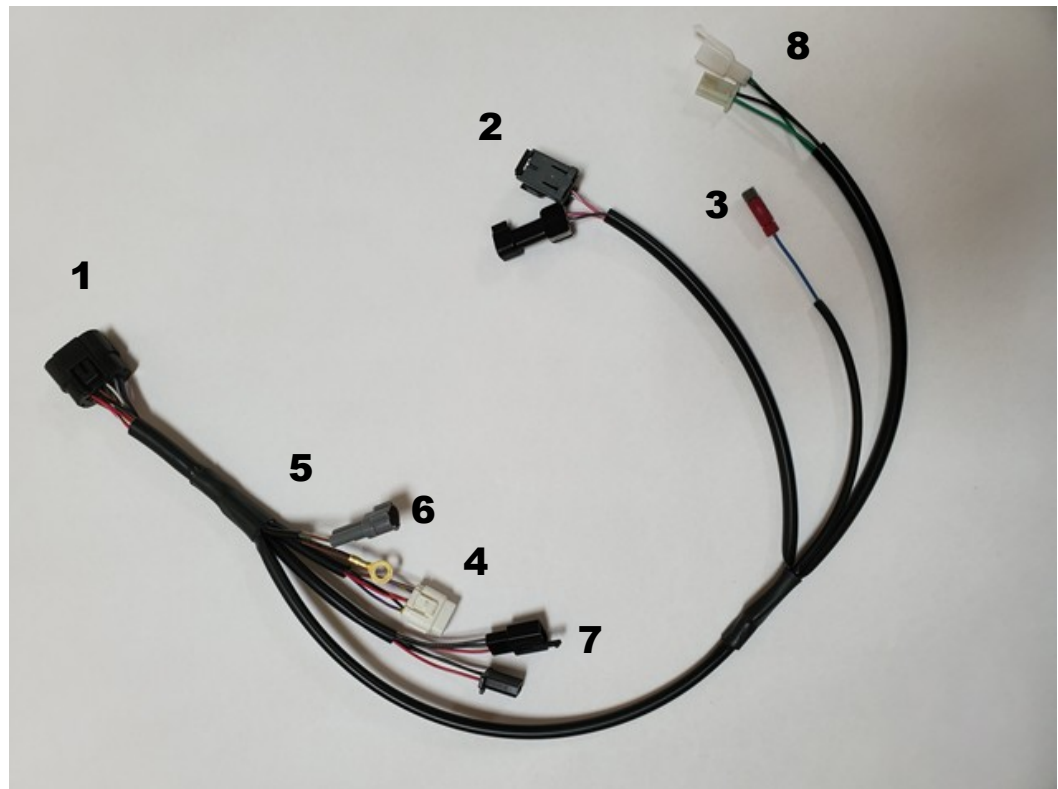
2>IDENTIFY

INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. USB cable
4. Posi-Tap (Instructions provided below)
5. Zip ties
6. Velcro
7. O2 Stabilizer

FUEL HARNESS

1. Main Connector
2. Injector
3. TPS
4. ZAFM
5. Map Select
6. Ground
7. +12v Sw. Power
8. CKPS



POSI-TAP

Step 1:

un-screw grey locking tab



Step 2:

Slide grey locking tab over desired wire to "tap" into

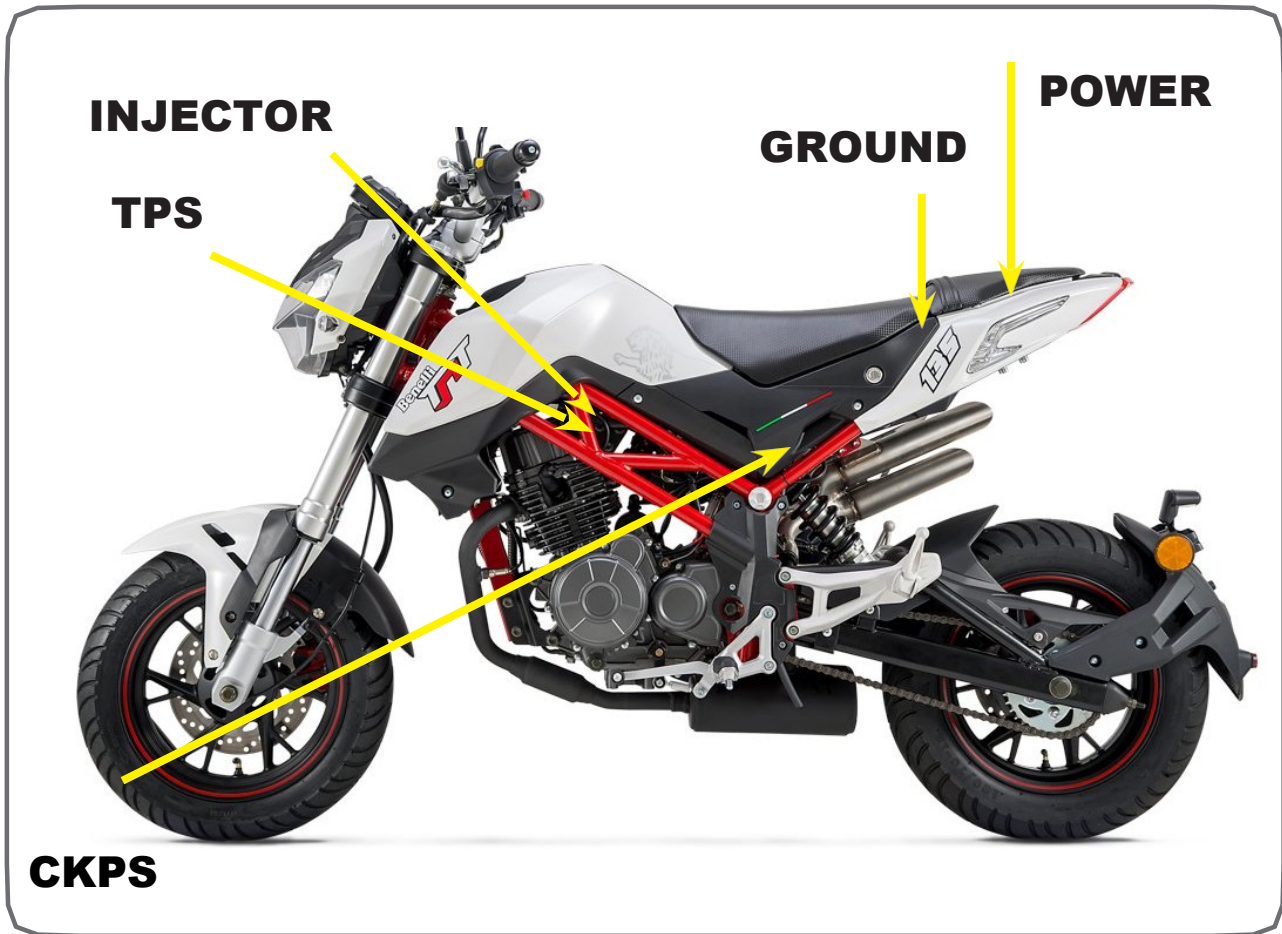


Step 3:

Re-Apply grey locking tab to the mating red connector. Firmly, finger tighten



2>IDENTIFY (CONT.)

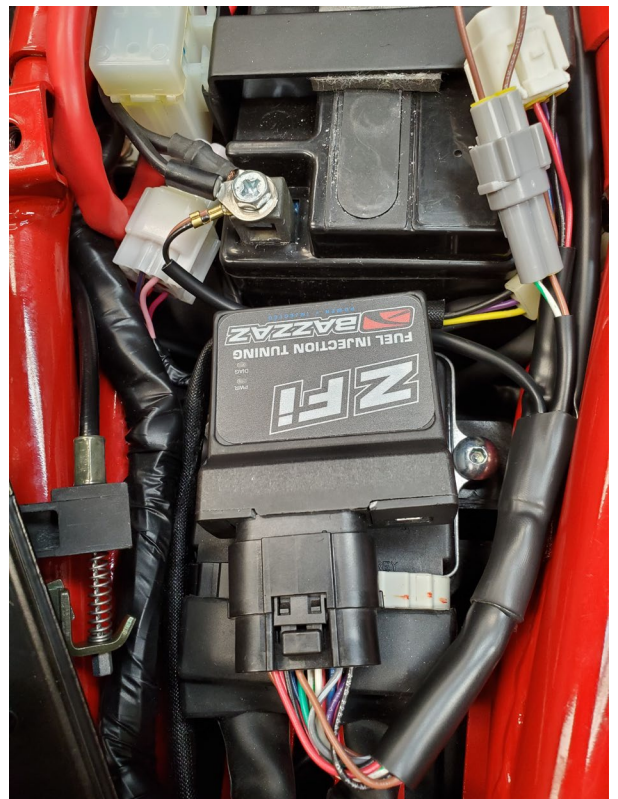


3>ROUTE

1. Seat
2. Left side panel
3. Right side panel
4. fuel tank

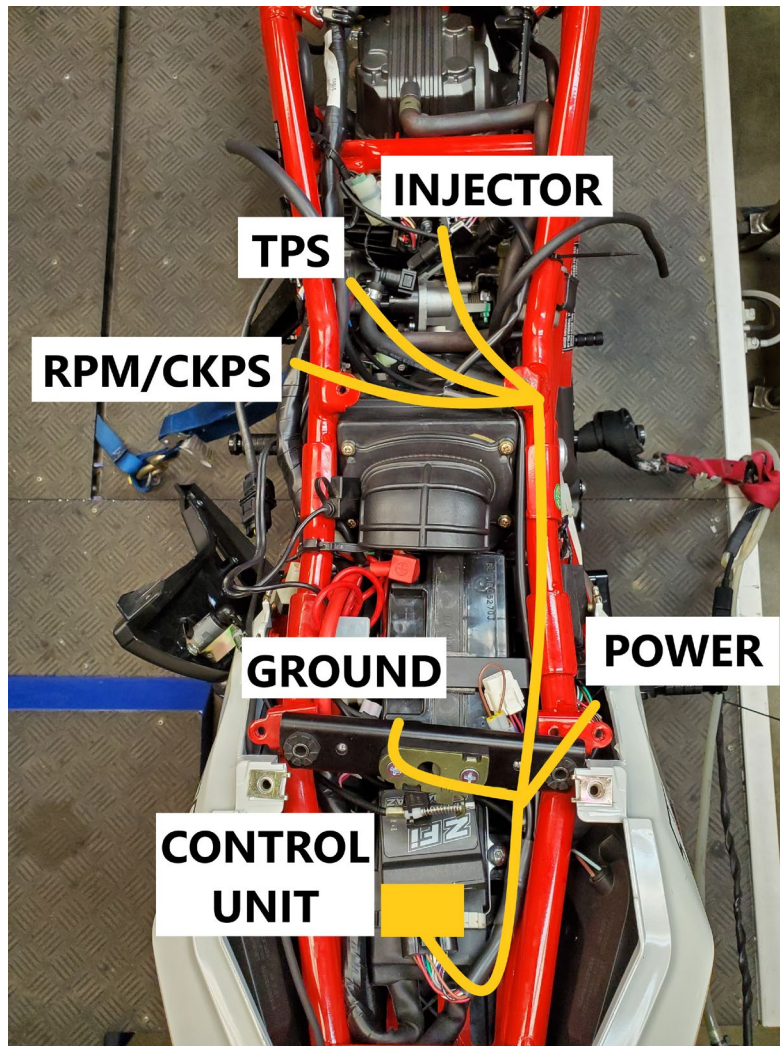
4>ROUTE

1. Begin routing the fuel harness from the storage unit/stock ecu and route alongside the right side of the bike.
2. Route the Bazzaz injector and Throttle Position Sensor (TPS) leads down to the factory throttle body.
3. Route the Bazzaz Crank Position Sensor (CKPS) lead to the black rubber boot near the sprocket on the left side.
4. Route the Bazzaz +12v SW lead behind the battery near the black rubber boot.

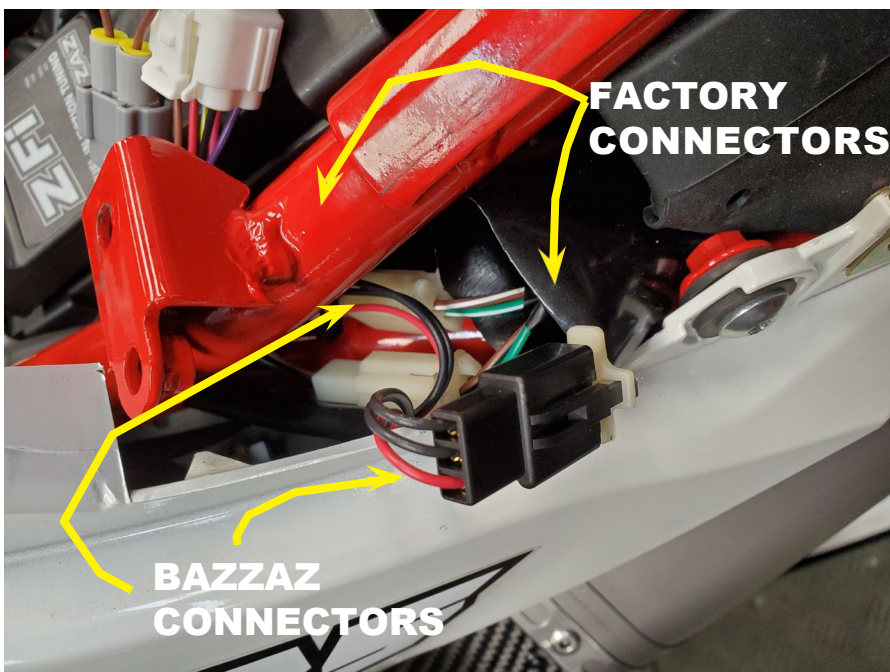


4>ROUTE (CONT.)

1. Route the remaining lead towards the battery negative terminal.
2. Let the fuel harness hang in position.



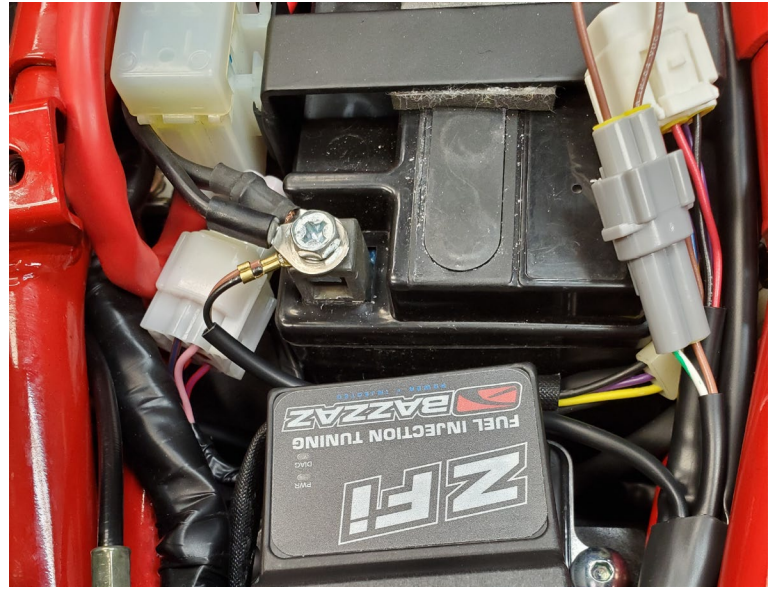
5>CONNECT



1. Locate the factory black/translucent three-pin tail light connectors (under the tail section) in the tail section of the bike.
2. Disconnect the factory tail light connectors.
3. Connect the Bazzaz switched power connectors in-line with the factory connectors.

6>GROUND

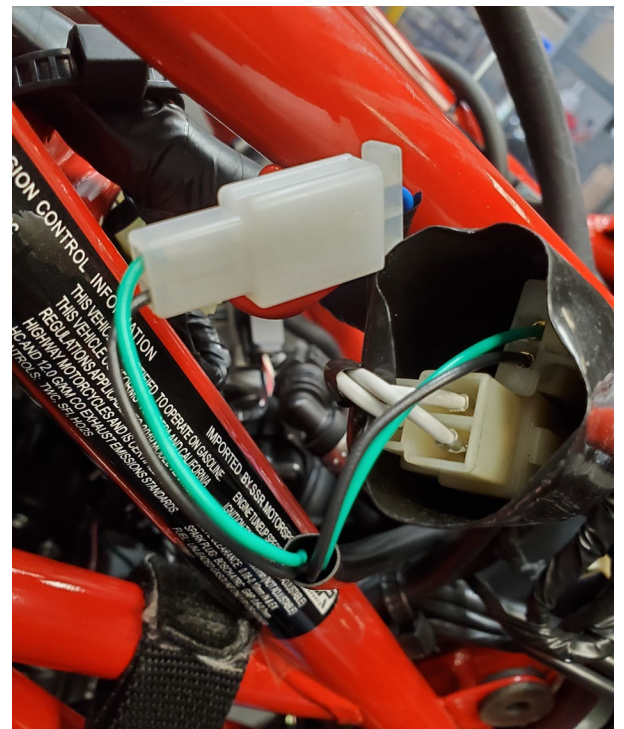
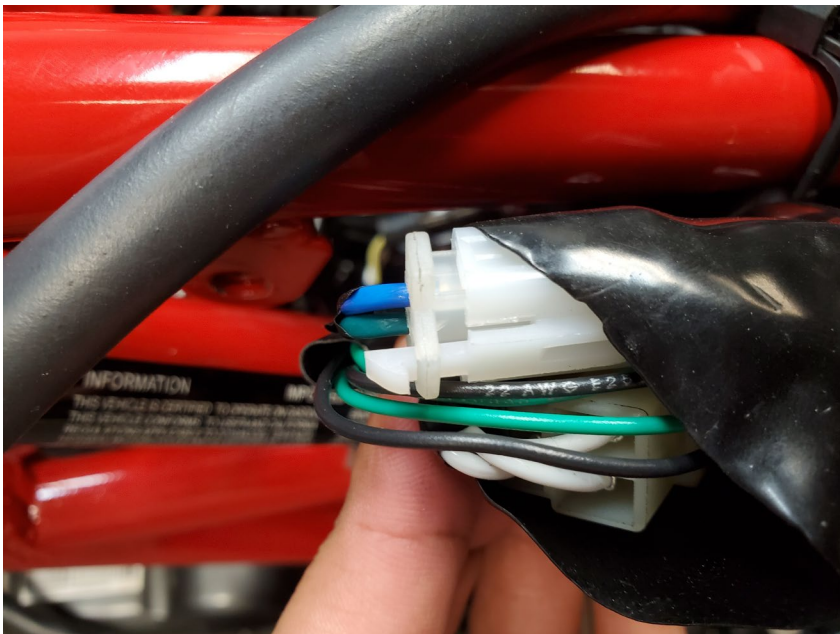
1. Locate the negative terminal on the battery.
2. Remove the factory bolt.
3. Connect the Bazzaz ground lug with the negative terminal.
4. Reinstall factory bolt.



7>CONNECT

7.1> CKPS

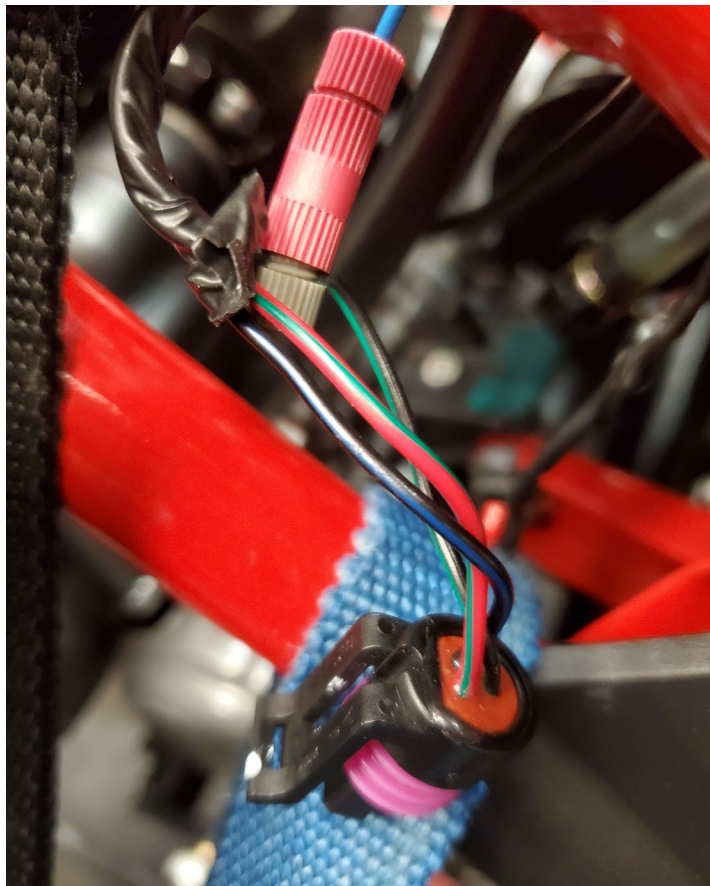
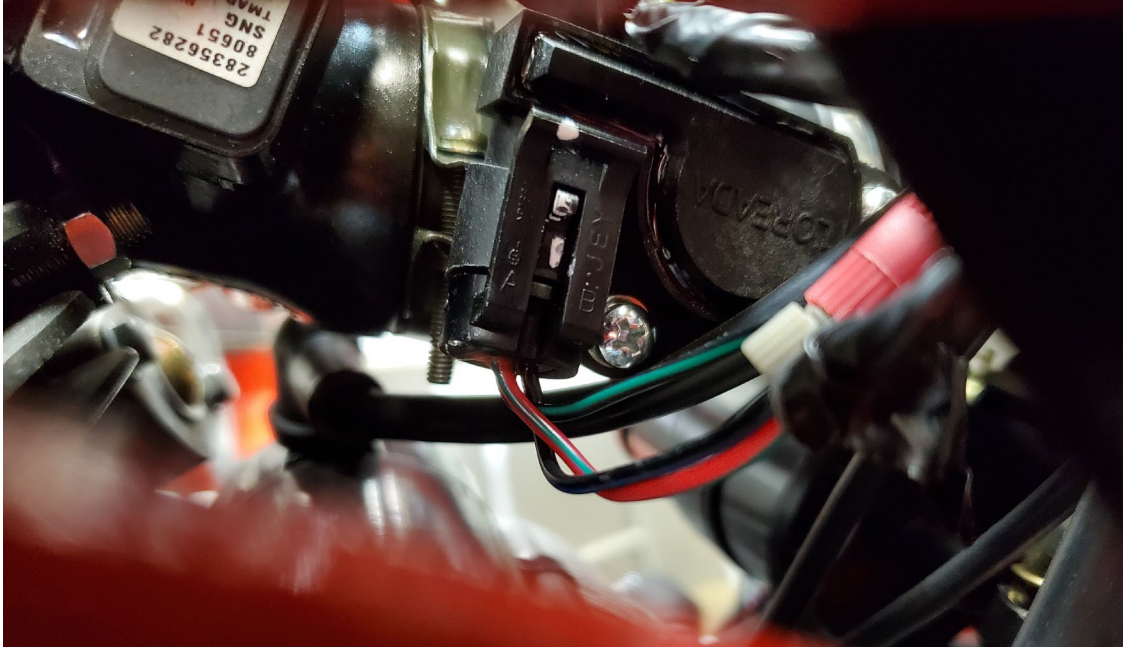
1. Locate the factory black rubber boot which can be found above the front sprocket cover, on the left side of the bike.
2. Begin to push the rubber boot up, revealing several connectors.
3. Locate the factory CKPS connector which is a 2 pin connector with a BLUE and a GREEN wire.
4. Disconnect the factory CKPS connector from the sensor.
5. Install the Bazzaz CKPS connectors inline.



7>CONNECT (CONT.)

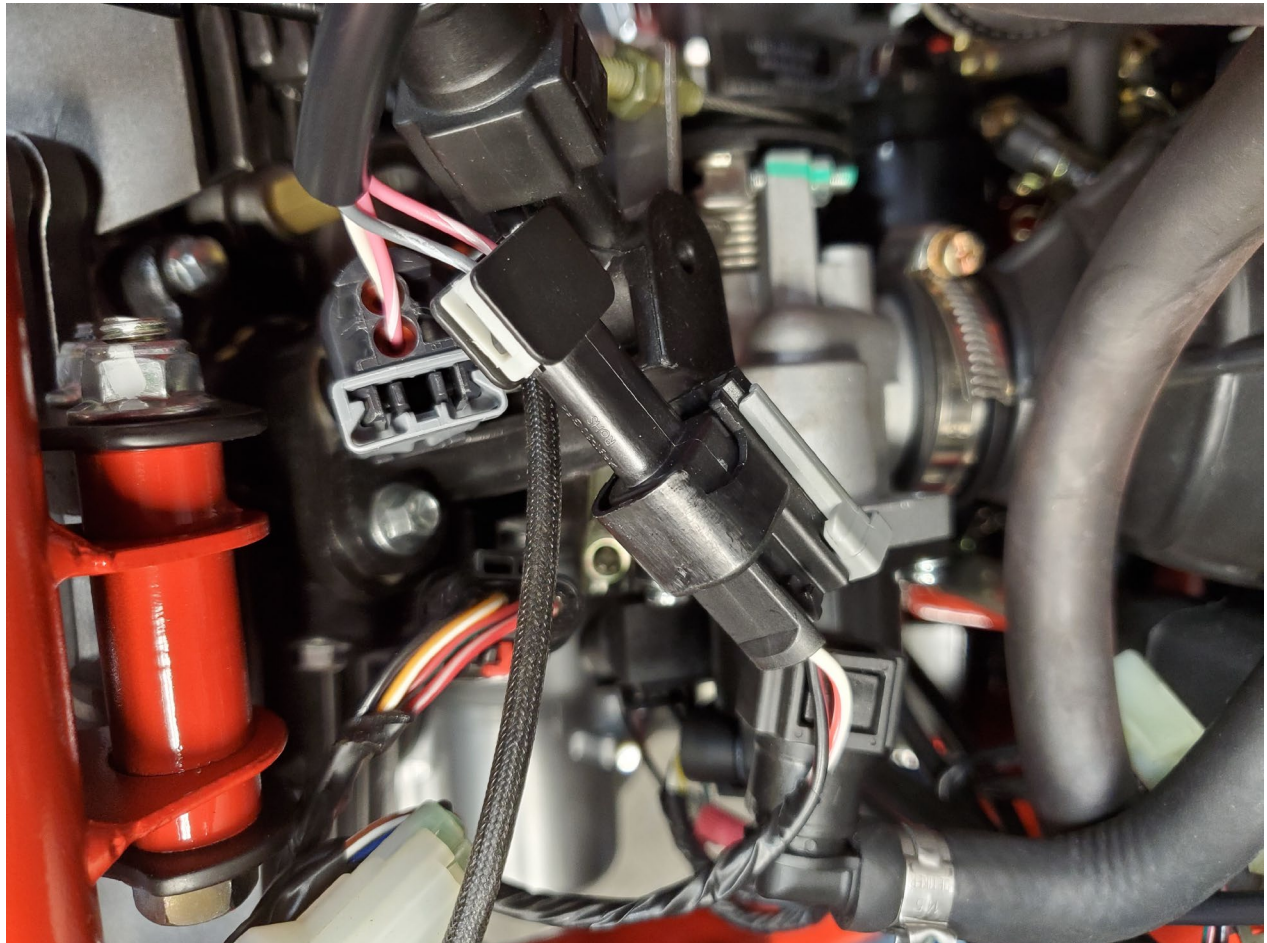
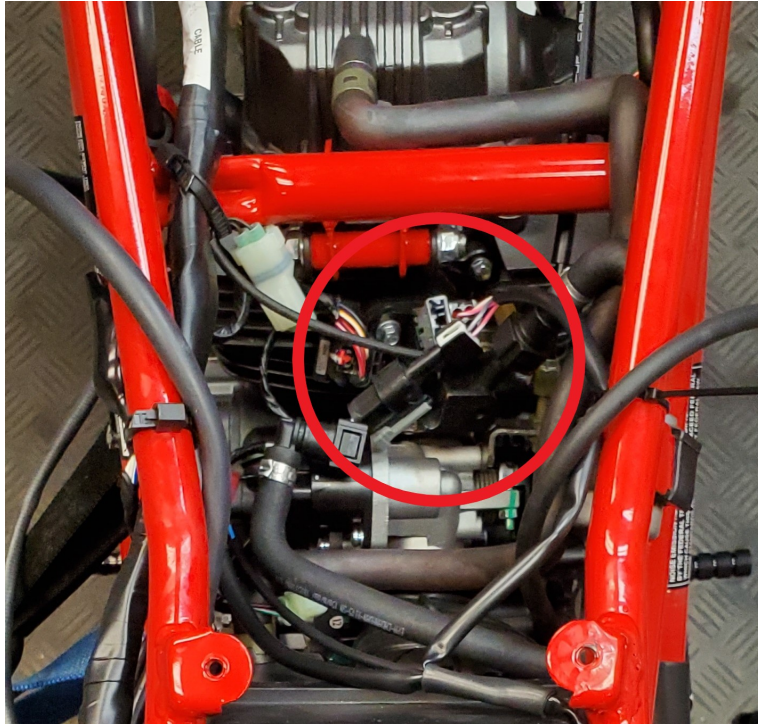
7.2> TPS

1. Locate the factory black three-pin TPS connector, located on the left side of the throttle body
2. Locate the factory TPS wire which is a Black/Green wire.
3. Separate the Black/Green wire of the factory TPS connector away from the other wires.
4. Use the provided Posi-tap to connect to the wire.
5. Refer to instructions on how to use the Posi-taps.



8>INJECTOR

1. Locate the factory black two-pin injector connector found on the throttle body, at the front of the bike.
2. Disconnect the factory injector connector from the injector.
3. Install the Bazzaz injector connectors inline.



9>O2 STABILIZER

1. Find the stock AFR sensor, unplug it from the stock OEM harness. Stow it away neatly on the bike using zip ties.
2. The stock OEM harness would be a 4-pin connector with a White/Grey, a Black/Blue, a Black/Red and a Yellow/Green wire.
3. Or remove the O2 sensor completely and install a bung plug.
4. Connect the O2 stabilizer in-line to the OEM harness



10>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).

NOTE: SLOT 1 (JUMPER CONNECTED) CONTAINS FULL SYSTEM MAP & SLOT 2 (JUMPER DISCONNECTED) CONTAINS NO MAP.

11>CHECK

1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at 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.
 - 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

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12>REINSTALL

1. After it is determined that everything is correct, reinstall the components removed in step 3.
2. Mount the Z-Fi control unit to the inside of the storage area and secure with velcro.
3. Connect the main connector of the Bazzaz fuel harness into the control unit.

13>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

14>NEXT LEVEL

****Accessories purchased separately.**

MAP SELECT/ TC ADJUST SWITCH

Switch maps on the fly with this handle-bar-mounted switch. Quickly adjust traction control settings using a 10-point dial. Weatherproof toggle and easy installation.



129.95

MAP SELECT SWITCH

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



79.95

ZAFM SELF MAPPER

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

TC ACTIVE LIGHT

Illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated.



79.95



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Proudly made in the
United States

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