

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFI FUEL MANAGEMENT

**YAMAHA YZF R1 / R1M | 2020
F750**

**The EXUP valve must be removed to install kit.
Order part no. E741**

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

1. Control Unit
2. Fuel harness
3. O2 Stabilizers (2 Pieces)
4. USB cable
5. Swingarm stickers
6. 4 Injector connectors.

Please note Map 1 consists of YZF R1 Full System Map

FUEL HARNESS

1. Main
2. Ground
3. Map Select & ZAFM
4. +12v Switch Power
5. TPS-Throttle Position Sensor
6. Upper Injectors
7. Lower Injectors
8. GPS-Gear Position Sensor
9. CKPS-Crankcase Position Sensor



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



3> REMOVE

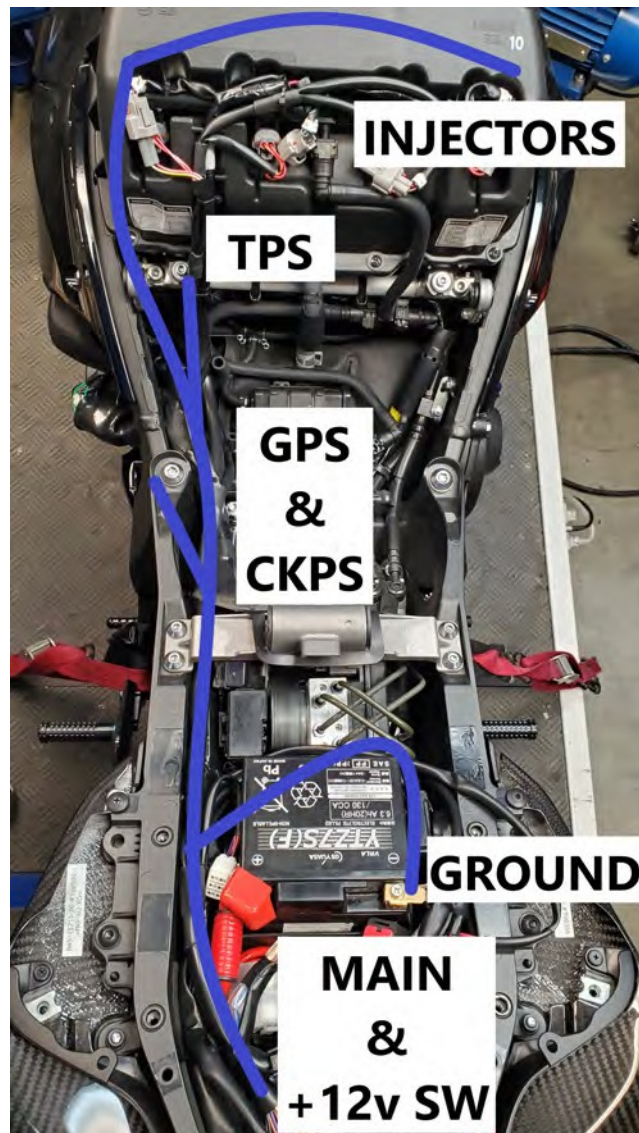
1. Rider and passenger seat
2. Fuel tank
3. Air box
4. Left Fairing

4> CONNECT

4.1

1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the picture.
2. The servo motor has to be un-installed to free space and weight. This will cause an FI light to come on which can be eliminated by using a servo eliminator. You can purchase the servo eliminator separately here : Part No. E741

<https://bazzaz.net/product/exup-exhaust-valve-eliminator/>

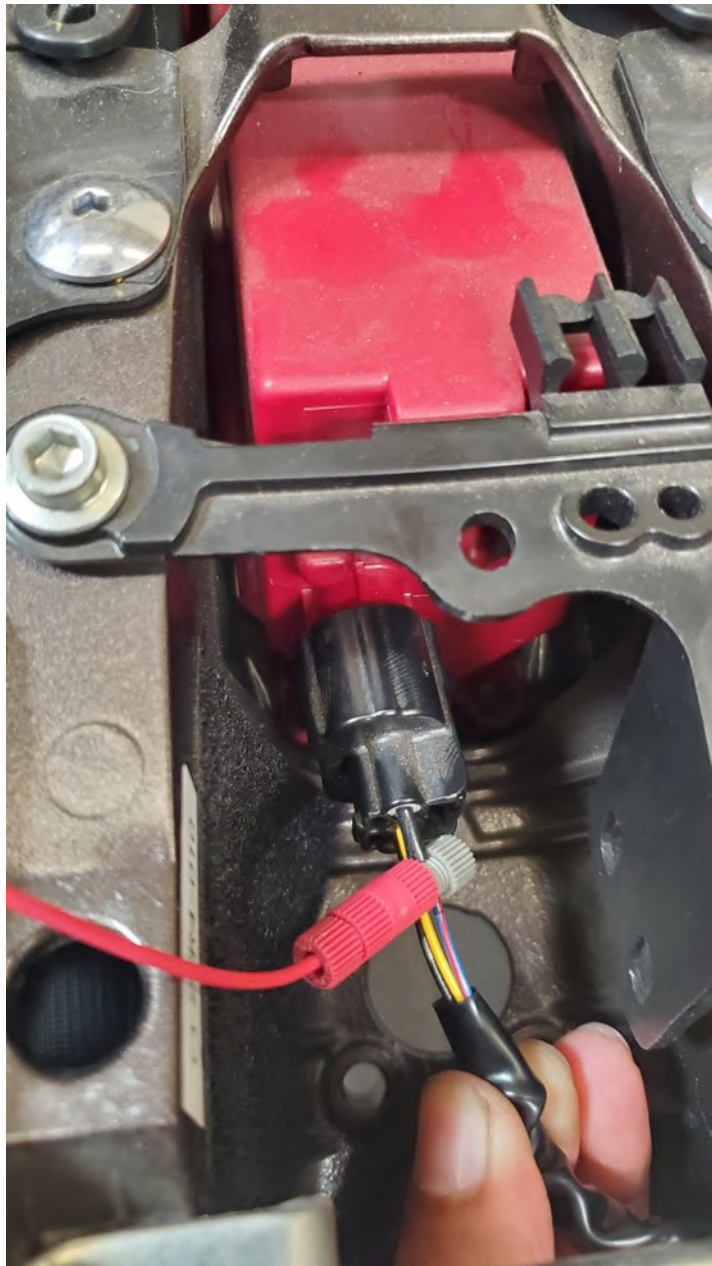


4>ROUTE (CONT.)

1. Route the remaining connections towards the injectors.
2. Let the fuel harness hang in position.

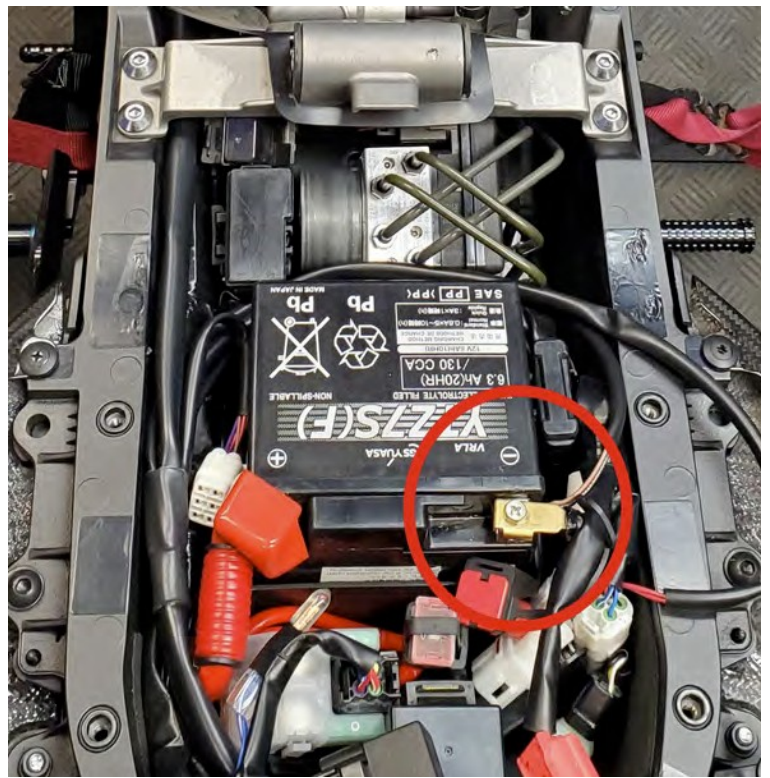
5>CONNECT

1. Locate the factory black 3-pin tail light connector, located on the tail section.
2. Locate the factory +12V SW wire which is a **Blue/Red** wire.
3. Use the provided Posi-tap to connect to the wire.
4. Refer to instructions on how to use the Posi-taps.



6>GROUND

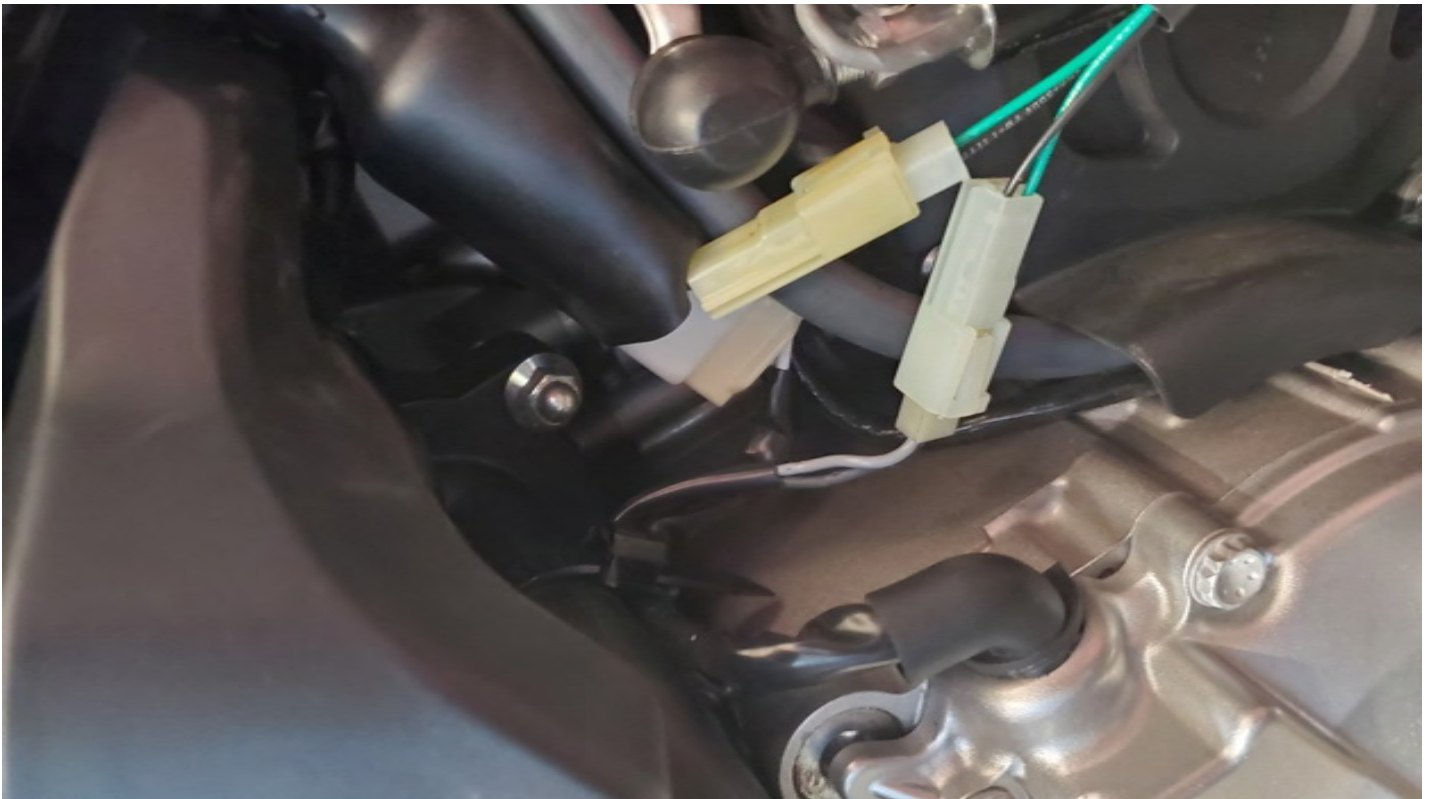
1. Connect the ground lug to the negative terminal on the battery under the seat section.
2. Remove the factory 10mm bolt.
3. Connect the Bazzaz ground lug with the negative terminal.
4. Replace factory bolt.



7>CONNECT

7.1

1. Locate the factory 2-pin CKPS connector which has a **Light Grey** wire and a **Dark Grey** wire.
2. The connector is located right above the front sprocket cover on the left side of the bike.
3. Connect the Bazzaz connectors in-line with the factory connectors.



7>CONNECT (CONT.)

7.2

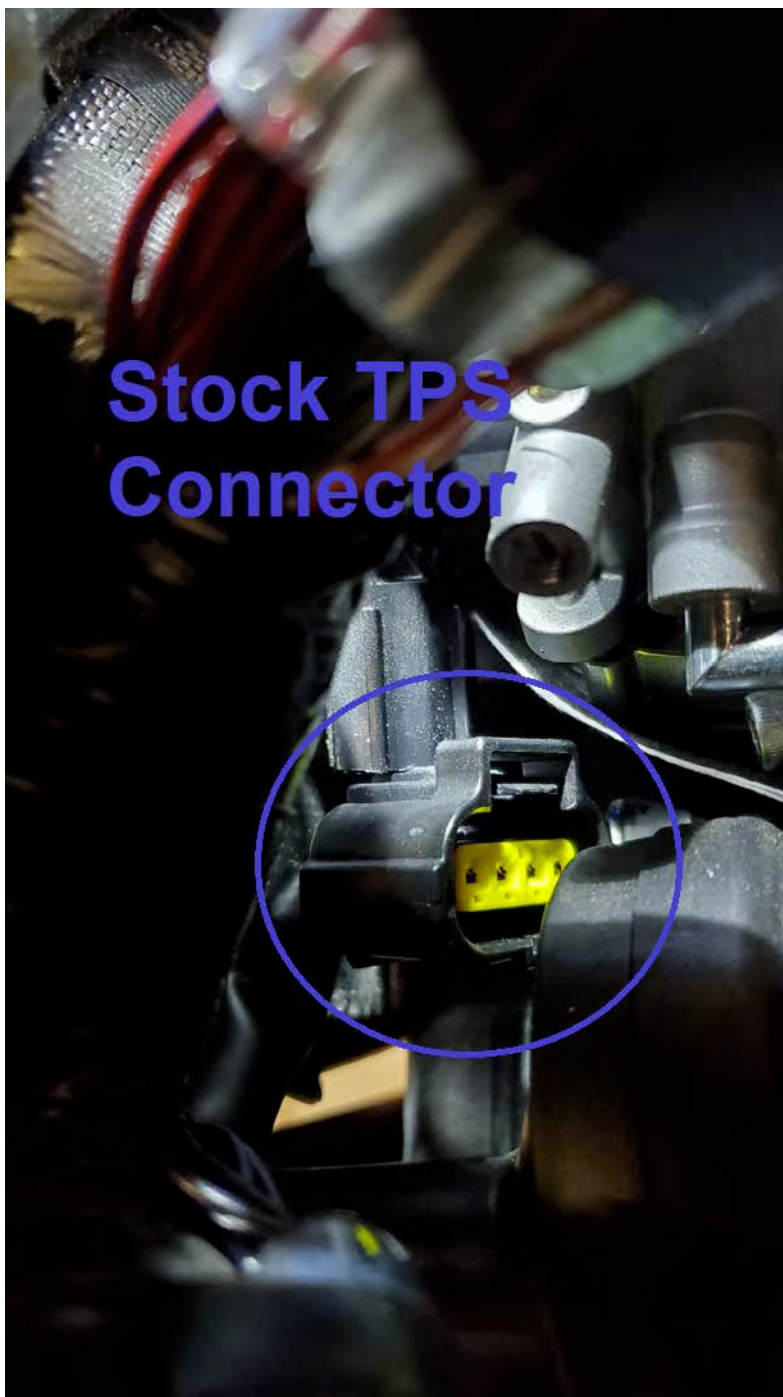
1. Locate the factory 3-Pin Gear Position Connector.
2. The connector is located right above the front sprocket cover.
3. Connect the Bazzaz connectors in-line with the factory connectors.



7>CONNECT (CONT.)

7.3

1. Locate the factory black four-pin TPS connector, located on the left side of the throttle body.
2. Disconnect the factory TPS connector from the Throttle body.
3. Install the Bazzaz TPS connectors in-line with the factory connectors.

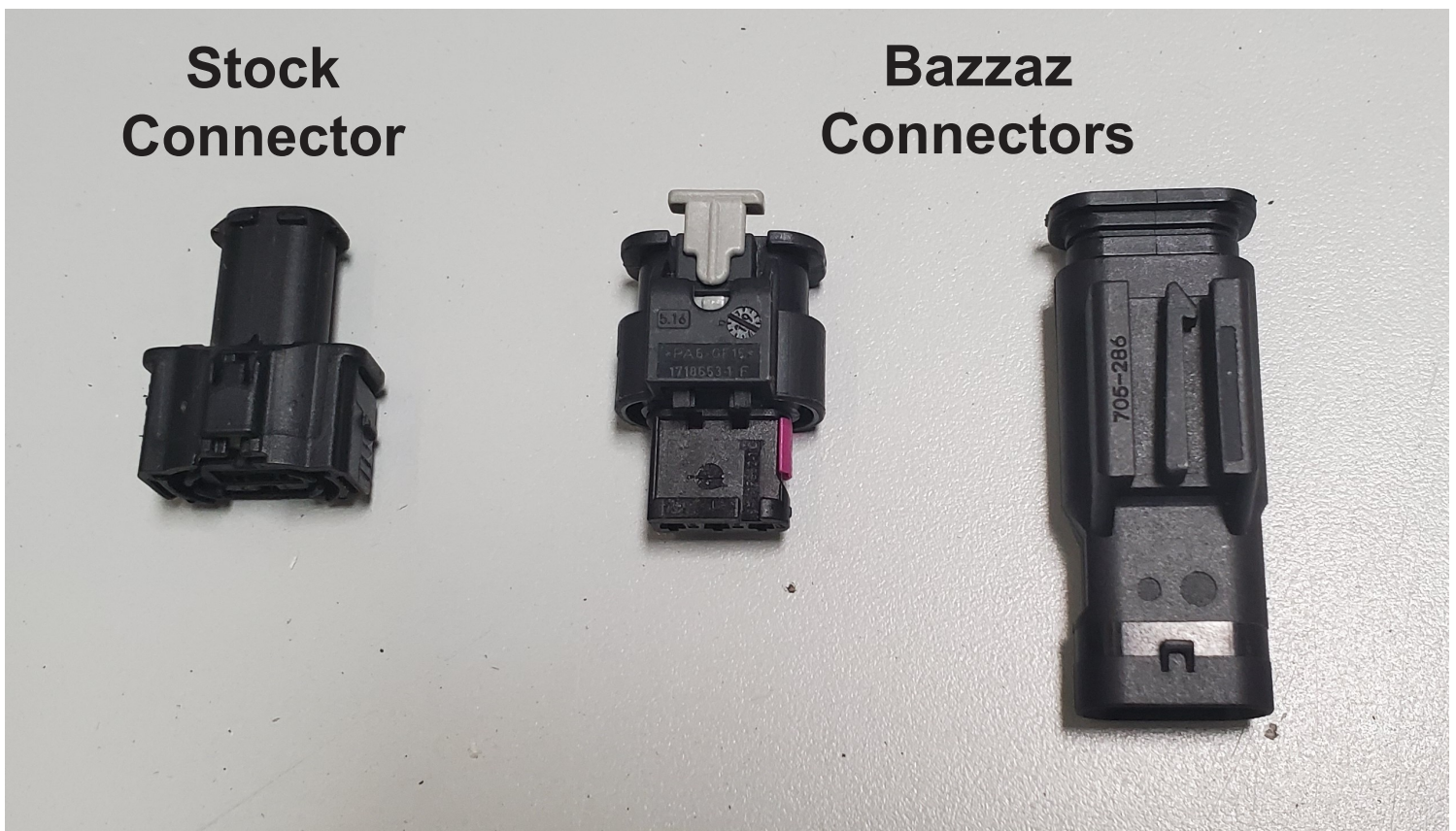


8>INJECTOR

8.1

LOWER

1. The Lower Injectors are located below the Air Box.
2. The Connectors on the 2020 model are different than the previous versions. Since those connectors are not available, an alternative is being used which involves de-pinning the stock injector connectors.
3. This kit comes with an additional connector.

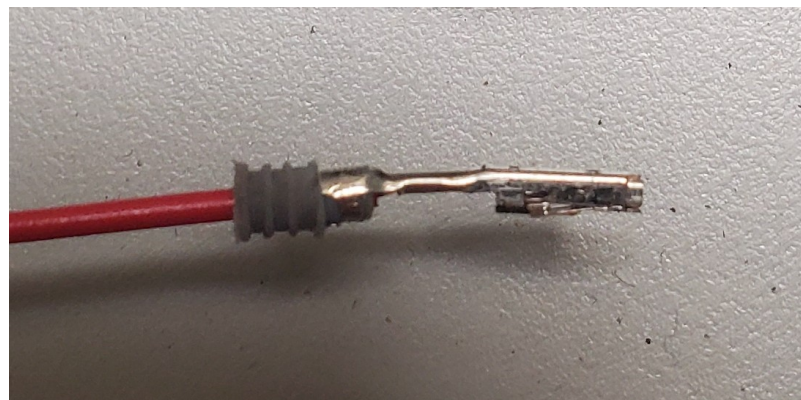
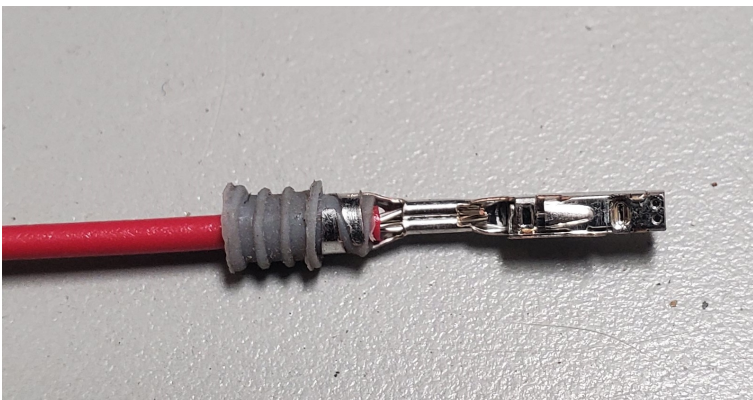
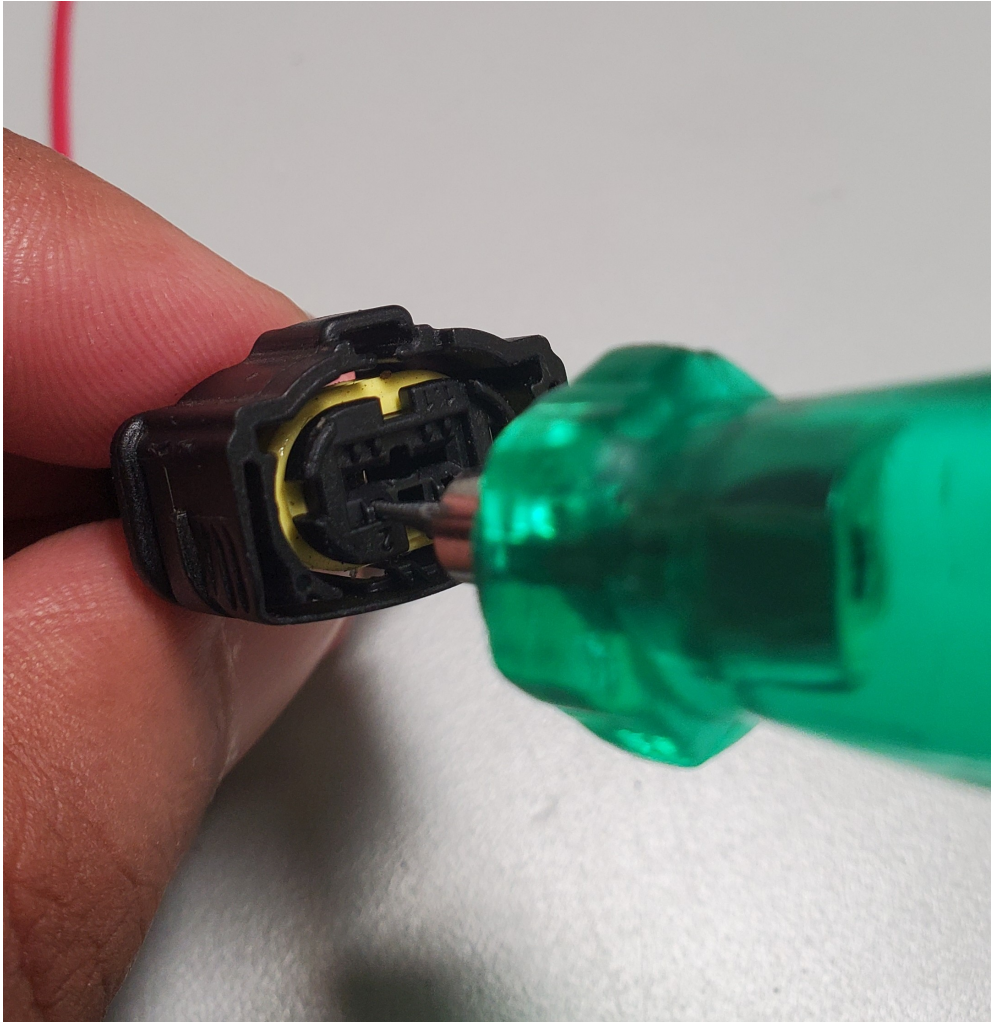
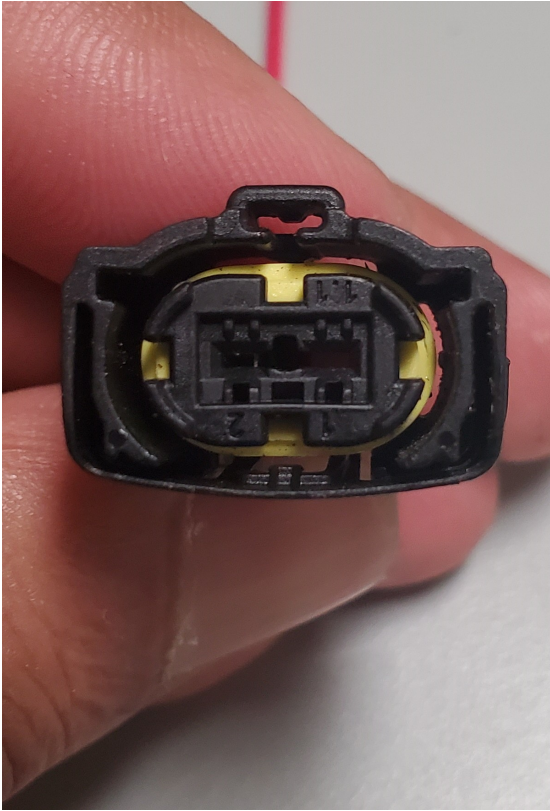


A DETAILED VIDEO EXPLAINING THE PROCESS OF CONNECTING THE INJECTORS IS PROVIDED BELOW.

PLEASE WATCH VIDEO BEFORE INSTALLING

8>INJECTOR

1. The first step is to de-pin the stock injector connector.
2. To remove the connector from the injector, press on the sides and pull the connector out.
3. Once the connector is removed, use a very thin & sturdy tool and insert it into the connector. Once inserted, push it downwards so the lock in the terminal is disengaged and the wires can be pulled out.



8>INJECTOR

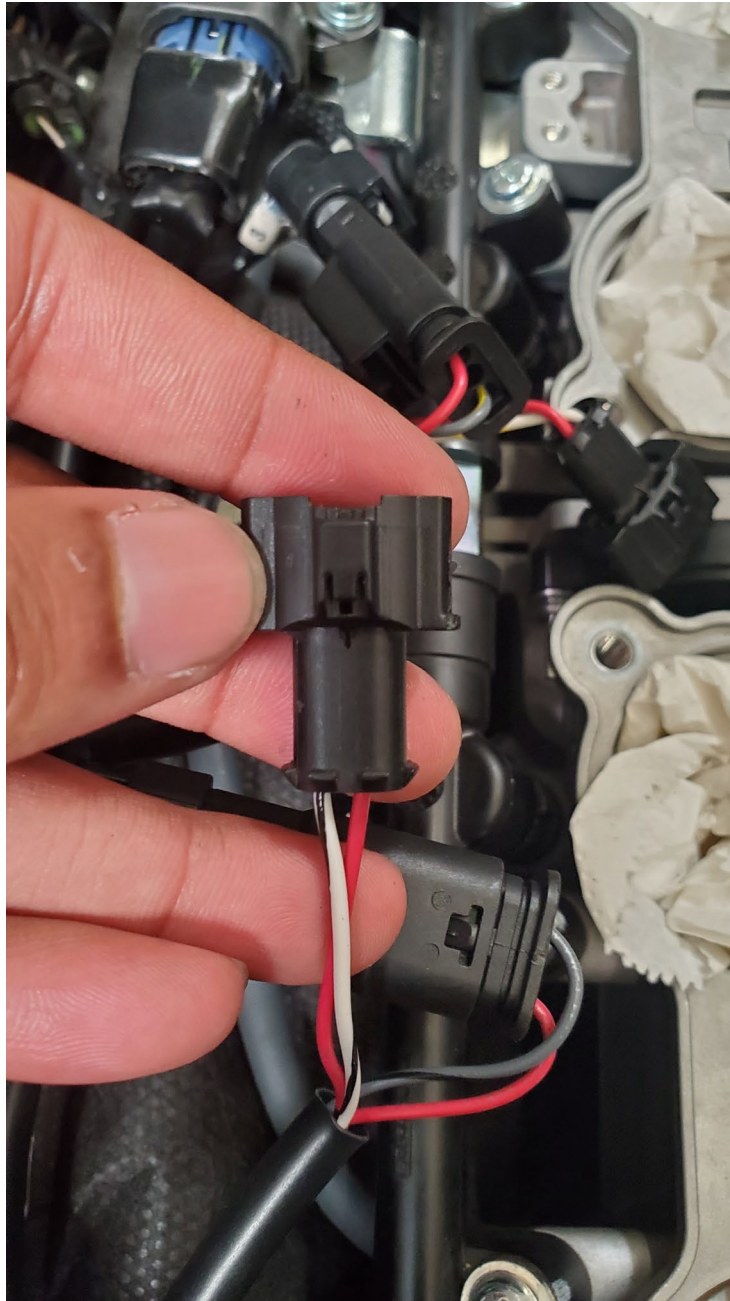
1. Once the stock injector connector is removed, insert the Bazzaz injector wires from the fuel harness into this connector.
2. Start with the Pink/White wire and the White wire.
3. Insert the white wire to the left location and the pink/white wire to the right location just like the picture below.



PLEASE MAKE SURE THE WIRES ARE INSERTED INTO THE CONNECTOR EXACTLY AS SHOWN IN THE PICTURE.

8>INJECTOR

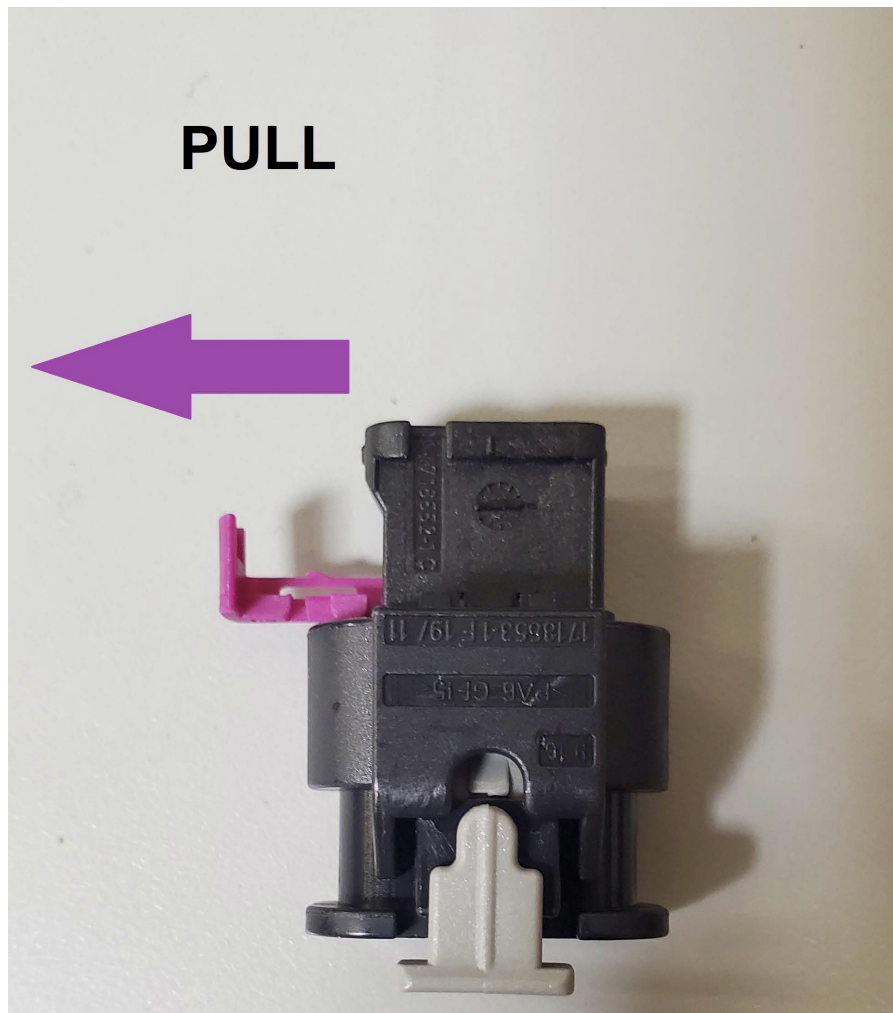
1. Next, connect the White/Black wire and the Red wire that is unused on the harness.
2. Insert the white/black wire to the left location and the red wire to the right location just like the picture below.
3. Repeat this process with the white/yellow and white/red wire along with the 2 other red wires.



PLEASE MAKE SURE THE WIRES ARE INSERTED INTO THE CONNECTOR EXACTLY AS SHOWN IN THE PICTURE.

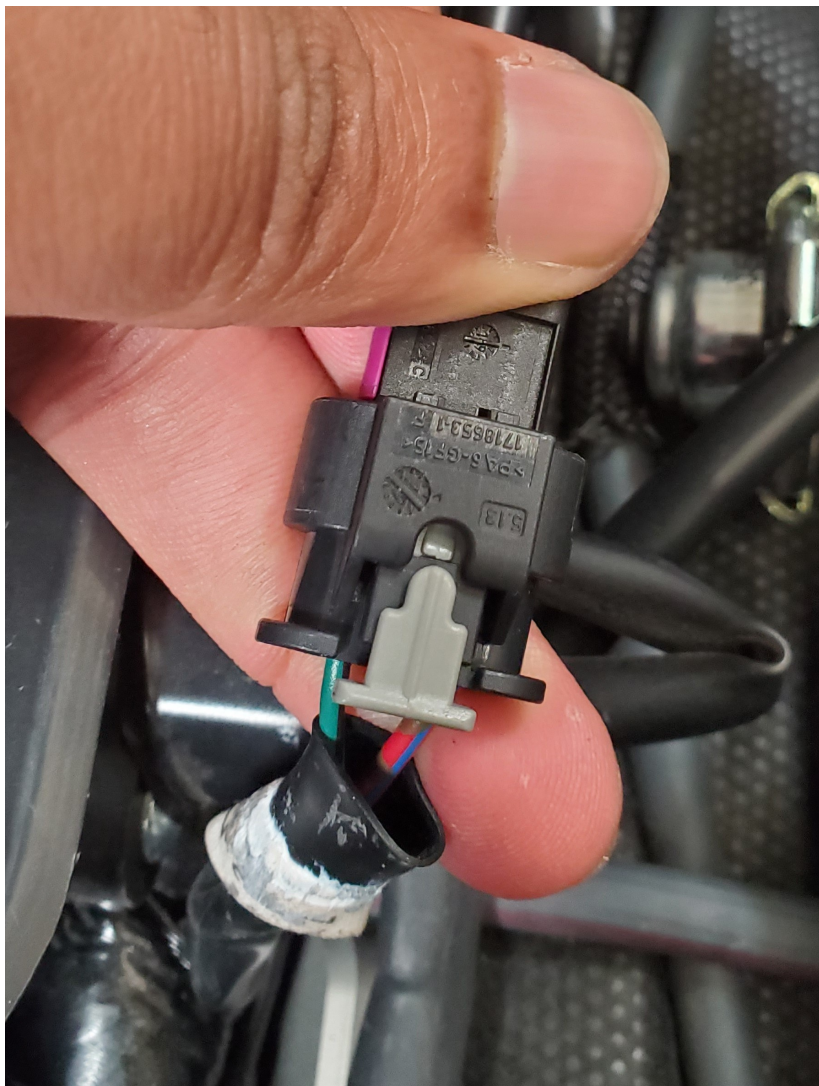
8>INJECTOR

1. Next, use the connector which is provided by us in the kit.
2. Before inserting the wire in the kit, make sure the locks are removed.
3. Use a flat tool to pry out the purple lock.



8>INJECTOR

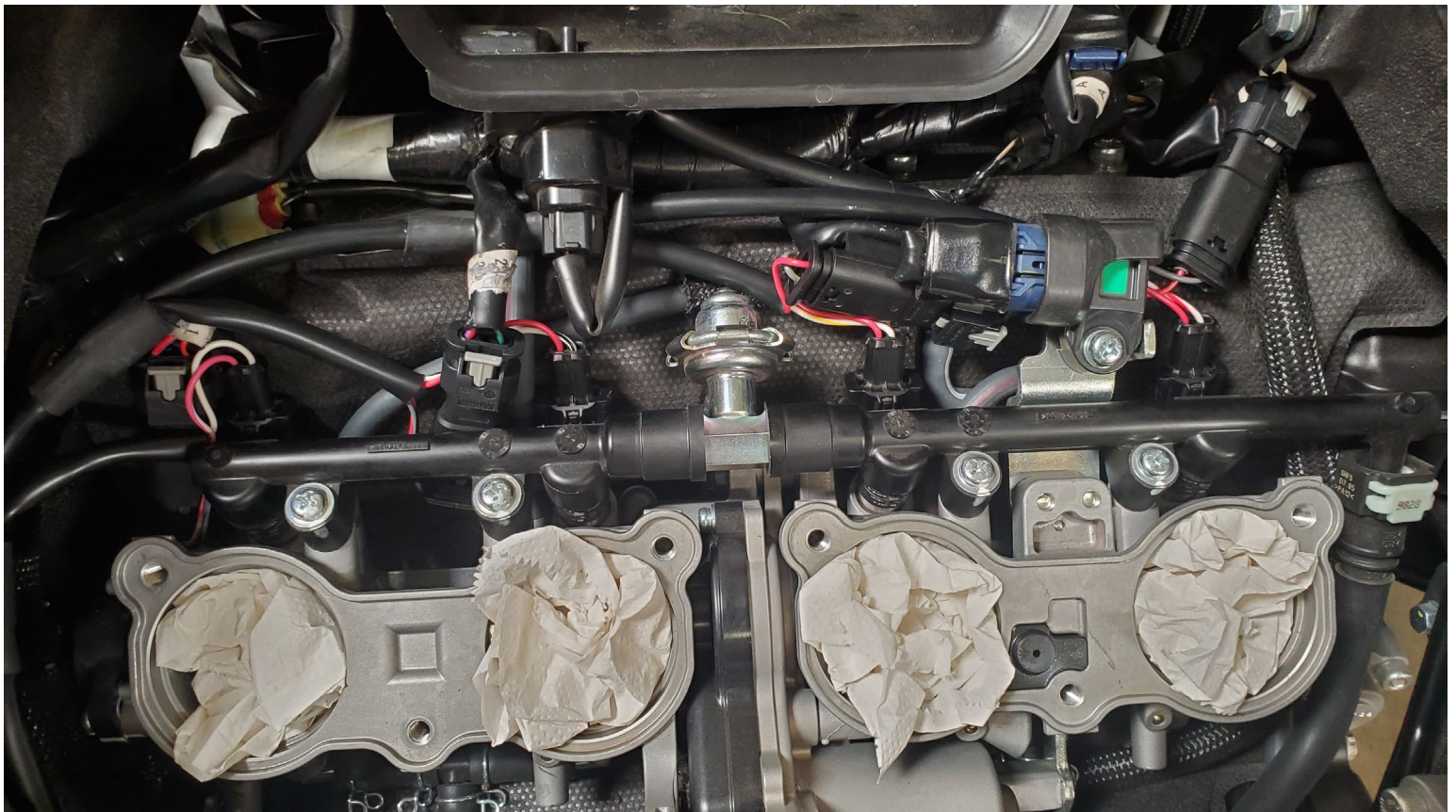
1. Once the Lock is removed, insert the stock injector wires from the harness side to this connector.
2. There will be 4 different colored wires from the stock injector. Red/Black, Green/Black, Blue/Black and Orange/Black which are the signal wires. And a common Red/Blue wire along with all of them.
3. The signal wires are inserted to the left most slot of the connector, and the common Red/Blue wire is inserted into the right most slot of the connector



PLEASE MAKE SURE THE WIRES ARE INSERTED INTO THE CONNECTOR EXACTLY AS SHOWN IN THE PICTURE.

8> INJECTOR

1. After all the wires are connected, mate the two injector connectors provided by us and connect the stock injector connector back to the injector.
2. Make sure to push the grey tab on the female connector to lock them in place.
3. A picture of the finished connection is shown below.



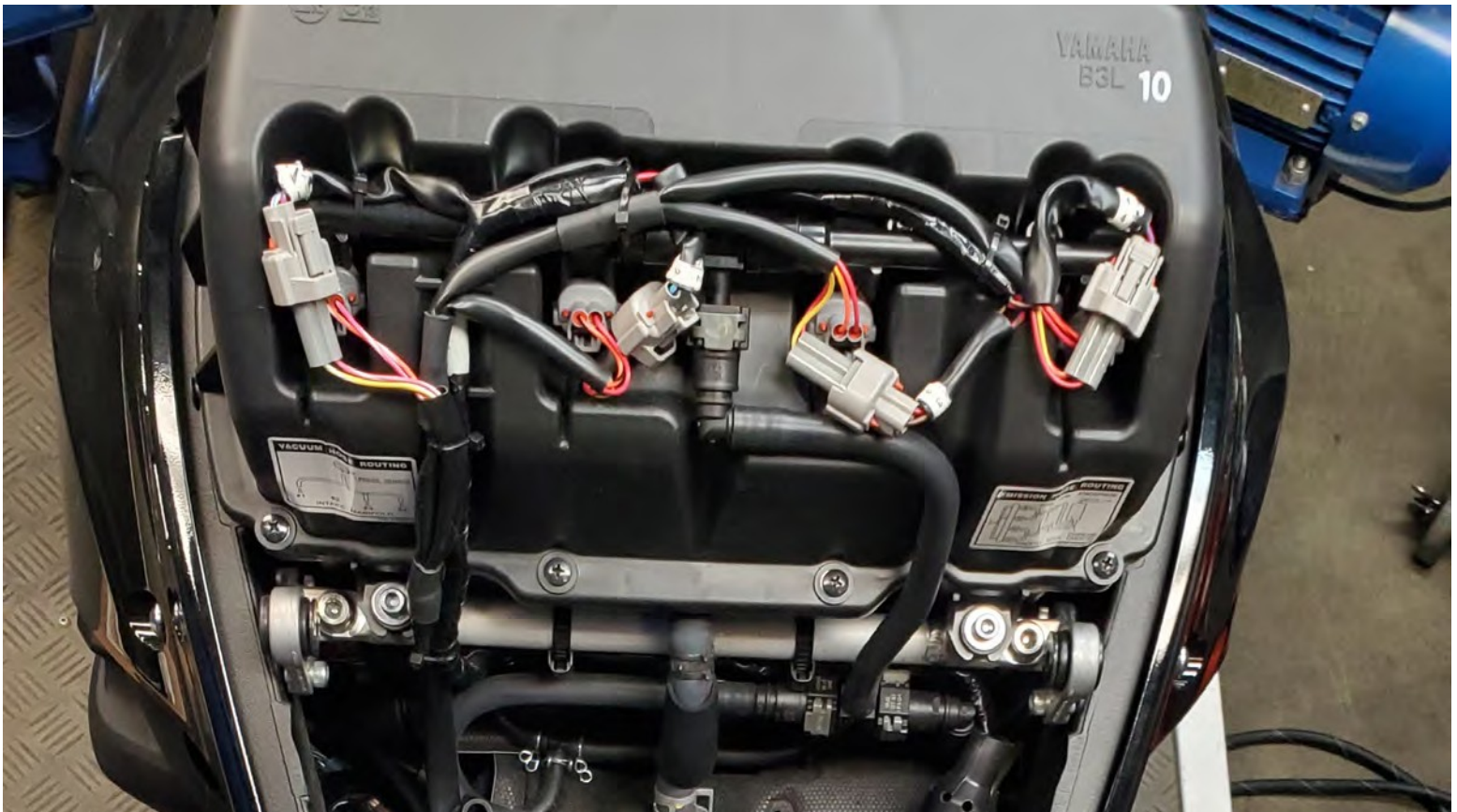
8>INJECTOR

8.1

UPPER

1. Locate the factory grey two-pin injector connector found on top of the Air Box.
2. Disconnect the factory injector connector from the injector.
3. Install the Bazzaz injector connectors in-line with the factory connectors.

PLEASE NOTE THE HARNESS LENGTH IS DESIGNED ACCORDING TO THE DISTANCE OF THE 4 INJECTORS. MAKE SURE THE ORDER IS FOLLOWED ACCORDING TO THEIR LENGTH.



9>O2 STABILIZER

1. Find the stock O2 sensors. There should be two sensors, one from the right side and one from the left. Unplug them from the stock OEM harness. The sensor can be removed completely and install a bung plug on them or stow it away neatly on the bike using zip ties.
2. One of the sensor connectors will be on the right side next to the Fuel Pump connector. The other sensor connector can be found behind the Crank Case Position connector.
3. Connect the O2 stabilizers 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).**

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.
 - 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

12>REINSTALL

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

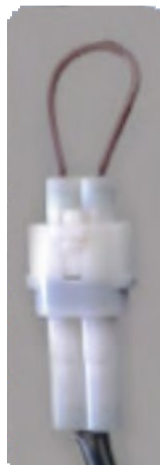
13>USE MAPS

The Bazzaz controller is capable of storing two maps.

Map 1 consists of YZF R1 Full System Map

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

**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

Z AFM 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



THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



Proudly made in the
United States

F750