MV AGUSTA F4 2010-2012

Z-Fi TC Installation Instructions

Part # T1640

In order to fit the Bazzaz reverse quickshift on this application, aftermarket rearsets must be used

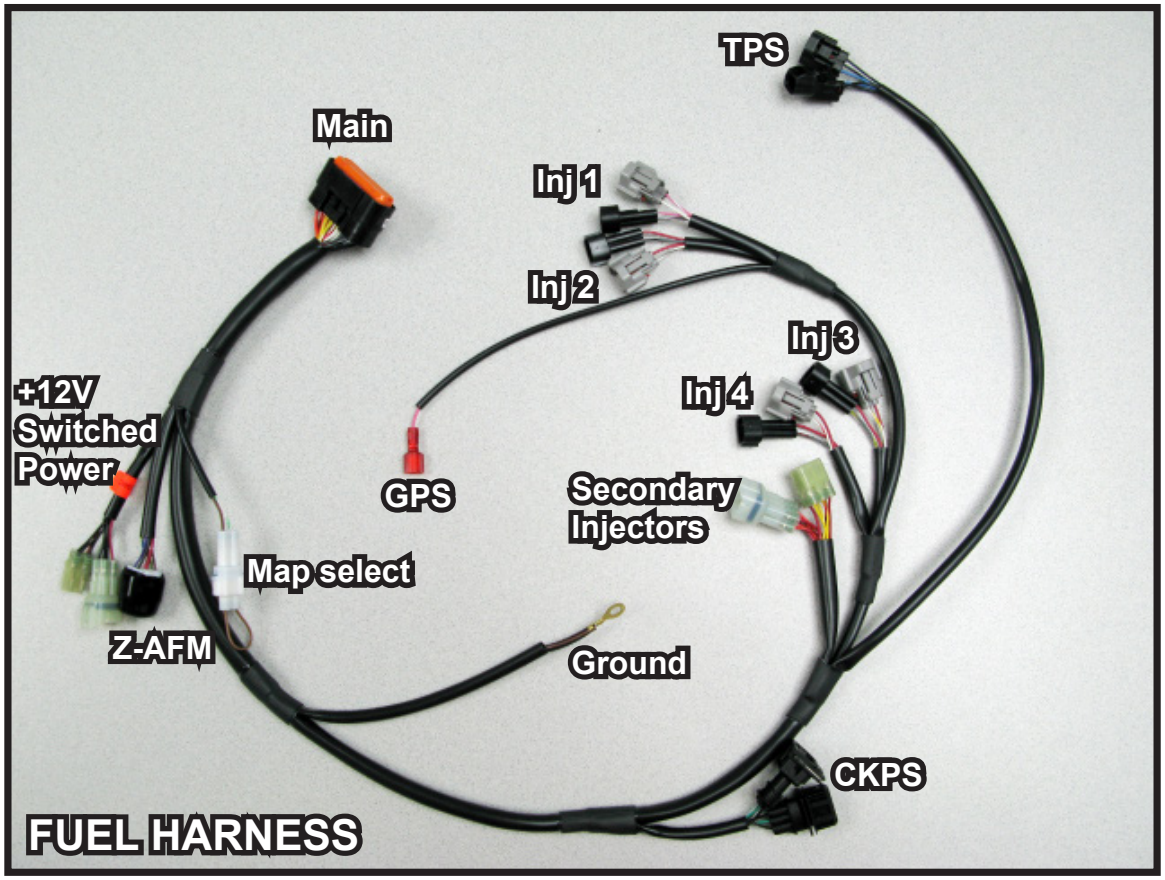
Parts List:

Z-Fi QS/TC Control Unit
Fuel Harness
Coil Harness
Shift Switch
Scotchlok (1)
Cable Ties
Velcro
USB Cable
Swingarm Stickers
Download Z-Fi Mapper Software at **bazzaz.net**
Software instructions available at **bazzaz.net**

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

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

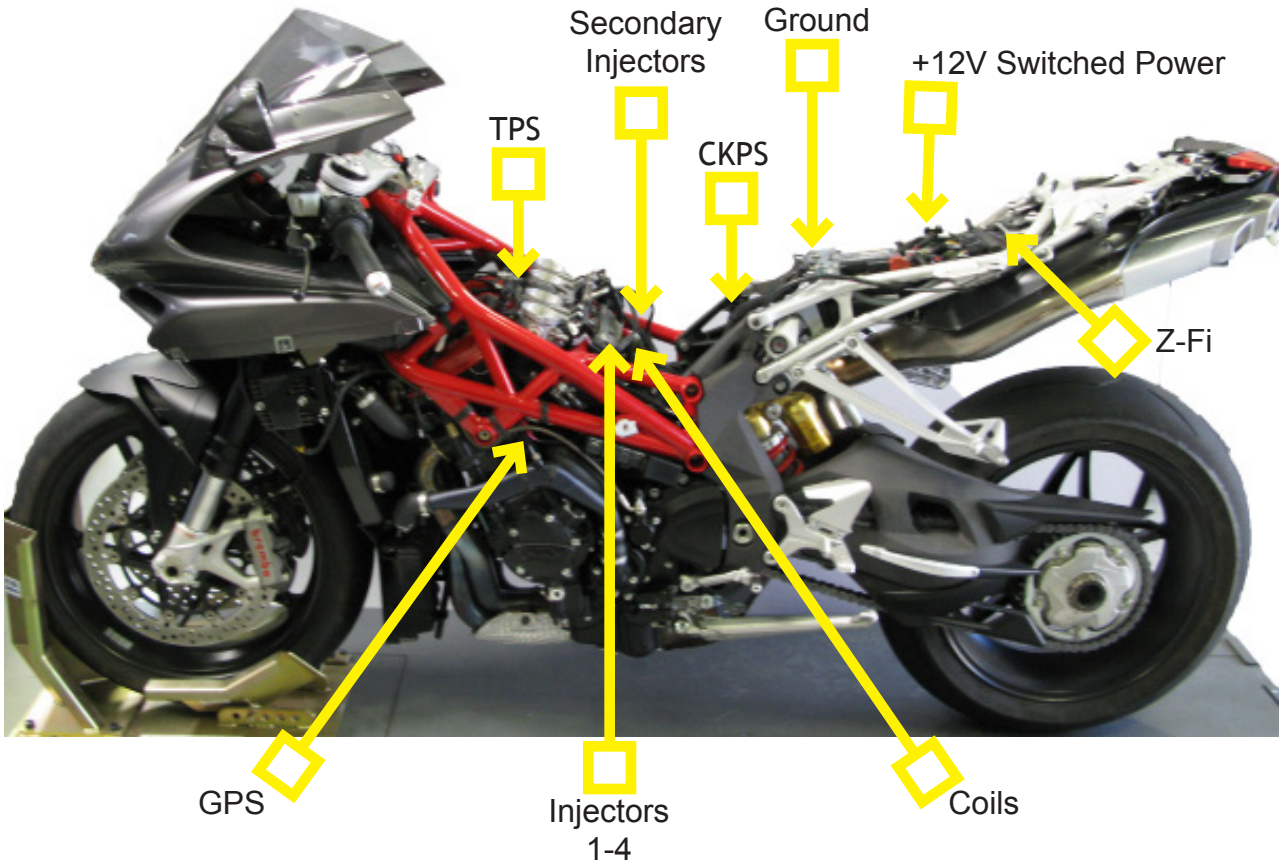


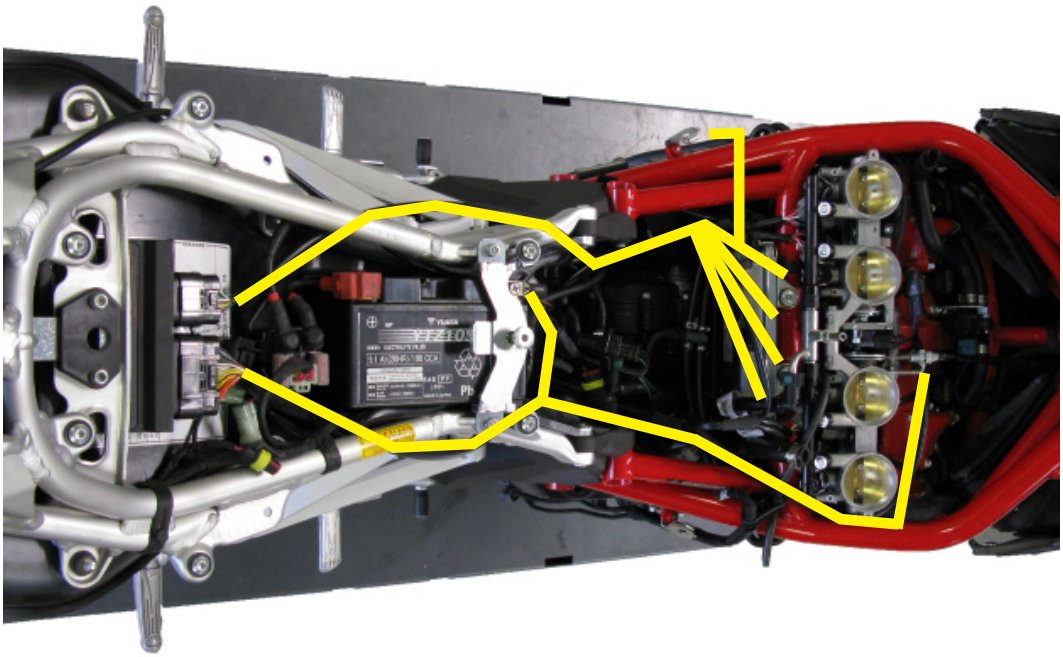
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

1. Begin the installation by removing the passenger seat, rider seat, side fairings, tail fairings, fuel tank and air box.

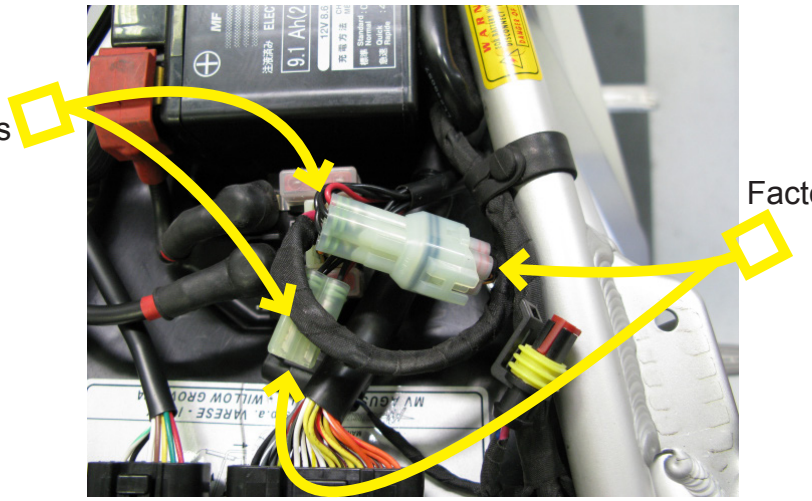
2. Mount the **CONTROL UNIT** in the area under the rider seat (under the subframe rail). Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit and begin routing it forward along the inside of the subframe.



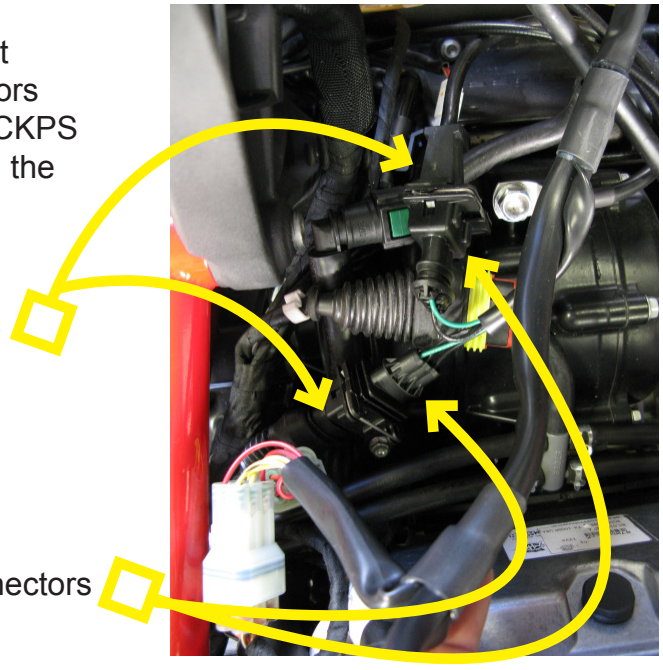


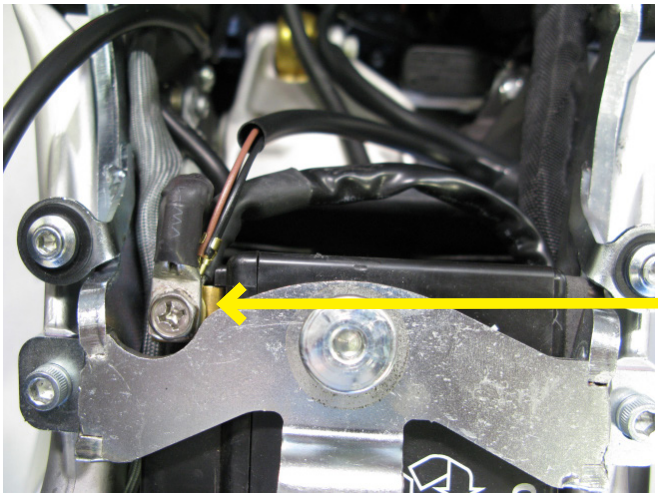
Fuel harness routing shown in yellow. Stock component identification and location shown for reference.

3. Locate the clear factory diagnostic connectors. Disconnect the factory diagnostic connectors and plug the Bazzaz **+12V SWITCHED POWER** connectors in-line with the factory connectors.



4. Route the Bazzaz fuel harness into the engine compartment and locate the factory Crank Position Sensor (CKPS) connectors found near the right side of the frame. Disconnect the factory CKPS connectors and plug the Bazzaz **CKPS** connectors in-line with the factory connectors.

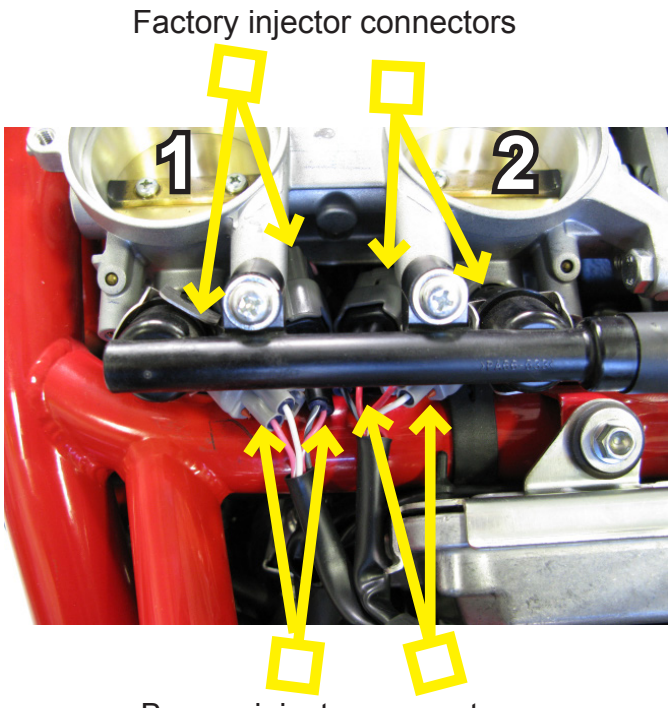


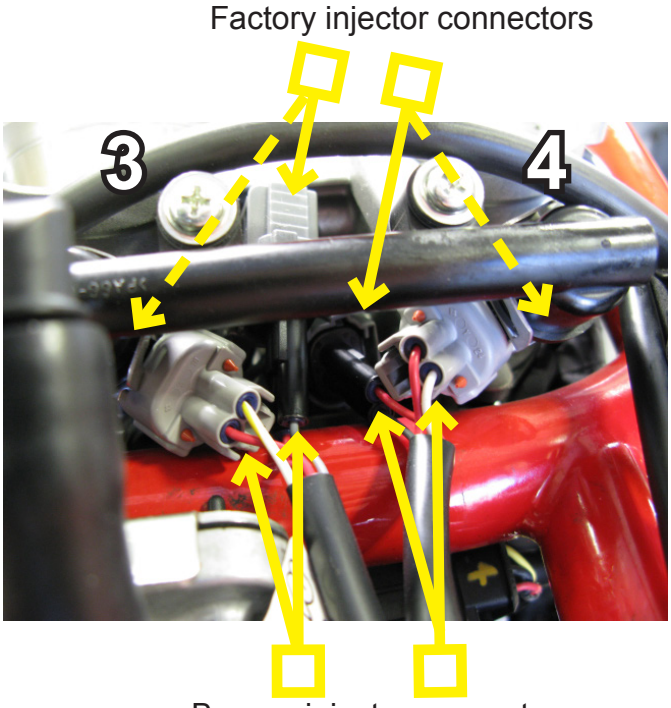


5. Now route the Bazzaz **GROUND** back to the battery, and secure it to the negative terminal.

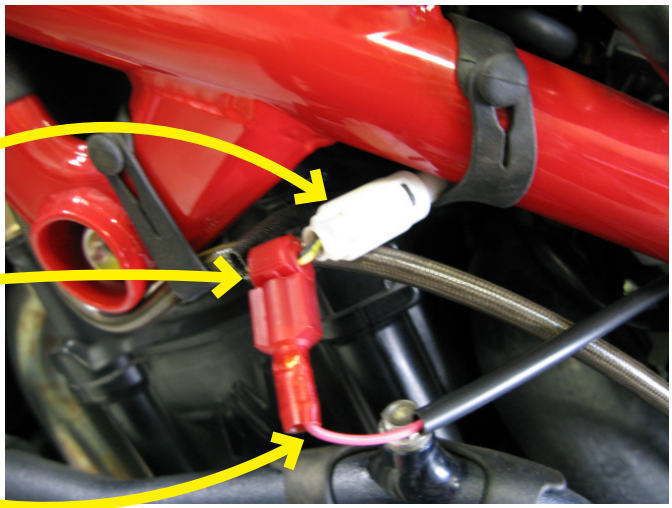
6. Locate the clear, 6-pin secondary fuel injector subharness connector, found in the front right portion of the engine compartment. Disconnect the secondary fuel injector subharness connector and plug the Bazzaz **SECONDARY INJECTOR** connectors in-line with the factory connectors.

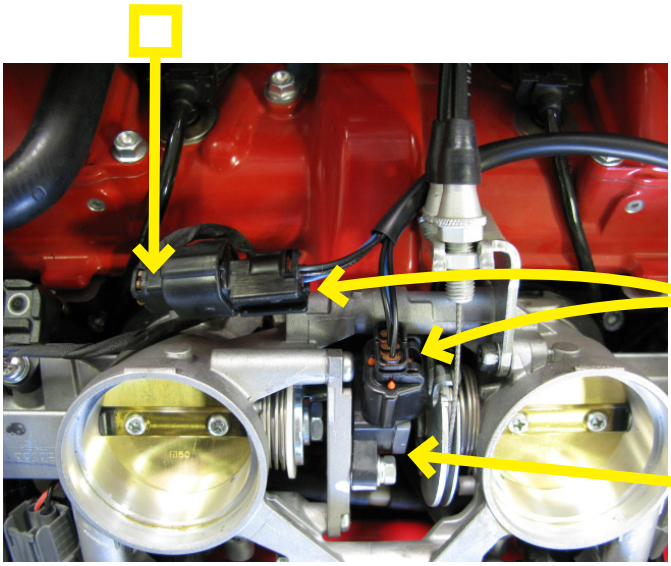
7. Beginning on the right side (which is injector 4), disconnect the factory injector connectors from the injectors and plug the Bazzaz **INJECTOR CONNECTORS** in-line between each factory connector and injector (Bazzaz connector leads are labeled *cylinder 1-4*).





8. Now locate the factory Gear Position Sensor (GPS) connector on the left side of the frame. Crimp a supplied Scotchlok onto the yellow/black wire of the GPS connector and insert the Bazzaz **GPS** connector into the Scotchlok.

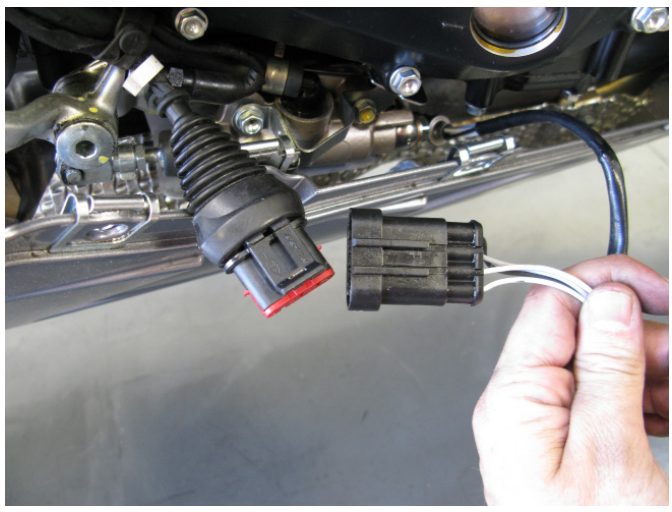




9. Route the remaining fuel harness up the right side of the throttle bodies and around the front, to the factory Throttle Position Sensor (TPS). Disconnect the factory TPS connector from the sensor and connect the Bazzaz **TPS** connectors in-line with the factory sensor and connector.

Note: Secure Bazzaz TPS lead away from the throttle cable and linkage

10. Next you will need to disconnect the Factory **O2 SENSOR,** which is located on the lower right side of the motorcycle, below the brake lever. This sensor will no longer be used; 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.



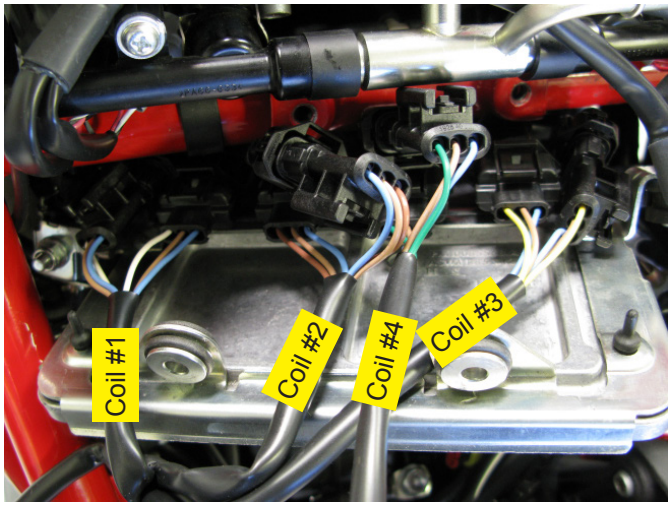
11. Now connect the main connector of the Bazzaz **COIL HARNESS** to the control unit and route the harness up the left side of the motorcycle. Remove the bolts on the factory ECU mounting bracket and pull it back to gain access to the coil connectors. Disconnect each factory coil connector and plug the corresponding Bazzaz **COIL** connectors in-line with the factory connectors. Replace the bolts and ECU mounting bracket.

Bazzaz coil connector having the white wire will connect with factory coil #1. The factory coil connector has a gray/black signal wire.

Bazzaz coil connector having the brown wire will connect with factory coil #2. The factory coil connector has a gray/green signal wire.

Bazzaz coil connector having the yellow wire will connect with factory coil #3. The factory coil connector has a gray signal wire.

Bazzaz coil connector having the green wire will connect with factory coil #4. The factory coil connector has a gray/red signal wire.



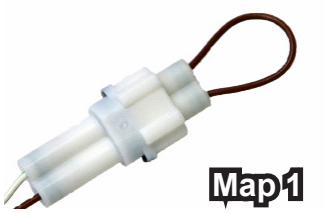
Bazzaz coil connectors plugged in-line with the factory coil connectors. Factory coil connectors cannot be seen in the photo.

12. In order to install the quickshifter, aftermarket rearsets must be used. Install the **SHIFT SWITCH** (installation of shift switch will vary depending on brand of rearsets), and then route the shift switch connector to the mating connector on the Bazzaz coil harness and connect.

The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected, the control unit is operating using map 1. When the map select jumper is disconnected, the control unit is operating using map 2.

Note: Upon installing the system, verify you have selected the proper map to correspond with your usage. The controller supplied with this kit has been pre-programmed with two enhanced fuel maps. Map 1 is intended for use when the bike is in sport mode and Map 2 for use when it is in rain mode.

You are able to load and unload additional maps as needed via the Z-Fi Mapper software.



Don’t forget to download the Z-Fi Mapper software from **www.bazzaz.net** (under the software tab) so that you can adjust your fuel map, QS or TC settings (depending on the product you purchased). You will also need access to the Z-Fi Mapper software if you will be using the Z-AFM self-mapping kit.

Accessories you may be interested in to ENHANCE your Bazzaz experience

Z-AFM™ | Tuning Technology (for use with all Bazzaz fuel control units)
Quickly collect data to build ideal, self-made fuel maps while riding. [Part No. 127062]

Map Select Switch (for use with the Z-Fi, Z-Fi MX, Z-Fi QS and Z-Fi TC)
The Bazzaz Map Select Switch is a handlebar-mounted switch for convenient toggling between two maps held on the Bazzaz unit. For example, rider can toggle between a fuel efficient map, rain map, or a full power map. [Part No. 127078]

Traction Control / Map Select Switch (for use with Z-Fi TC only)
The Bazzaz TC Adjust Switch is a handlebar-mounted switch for easy, on the fly, traction control adjustments and map switching. Quickly adjust traction control settings (a great way to learn TC), or switch off, using a 10-point dial. Also toggle between two maps held on the Bazzaz unit (e.g. rain map, fuel economy map, etc.) on the fly. [Part No. 127079]

Traction Control Active Light (for use with Z-Fi TC)
TC Active Light illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated. [Part No.M842]