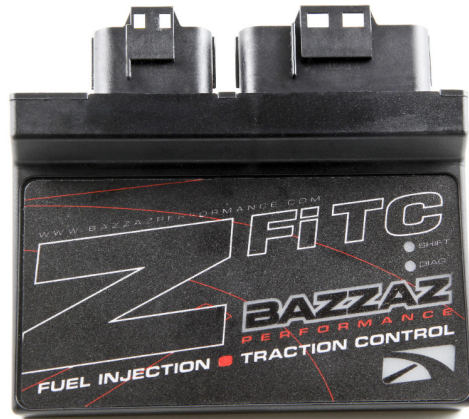## Z-Fi TC Installation Instructions
Part # T445

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

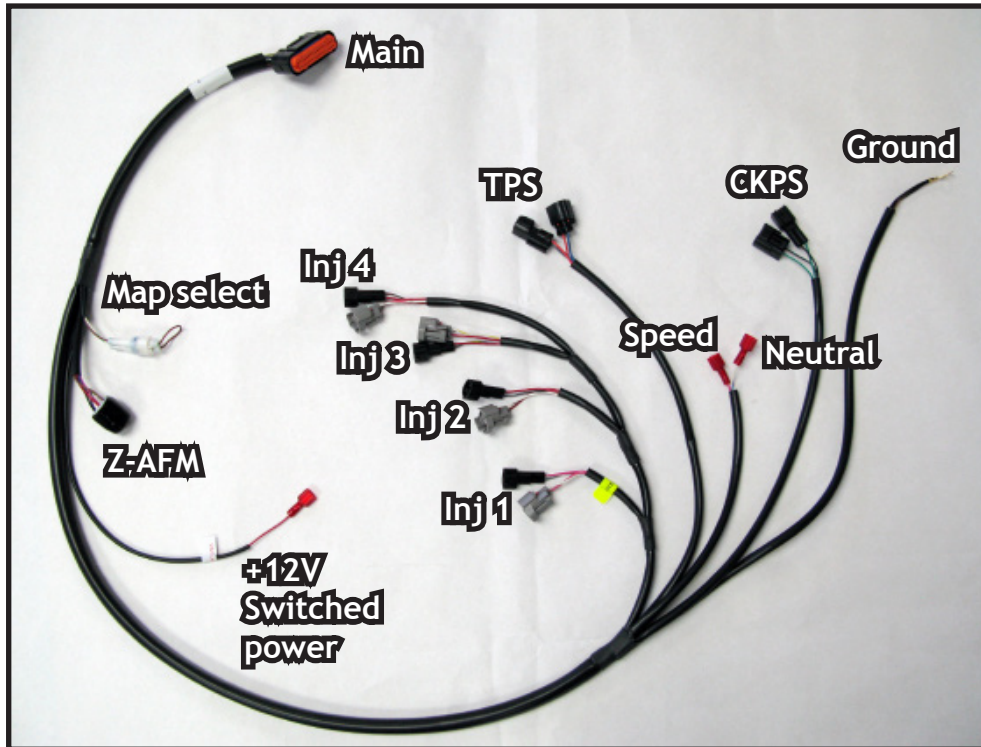**Parts List:**
Z-Fi TC Control Unit
Fuel Harness
Coil Harness
Shift Switch & Mounting Hardware
Scotchlok (3)
Cable Ties
Velcro
USB Cable
Swingarm Stickers
Download Z-Fi Mapper Software at **bazzaz.net**
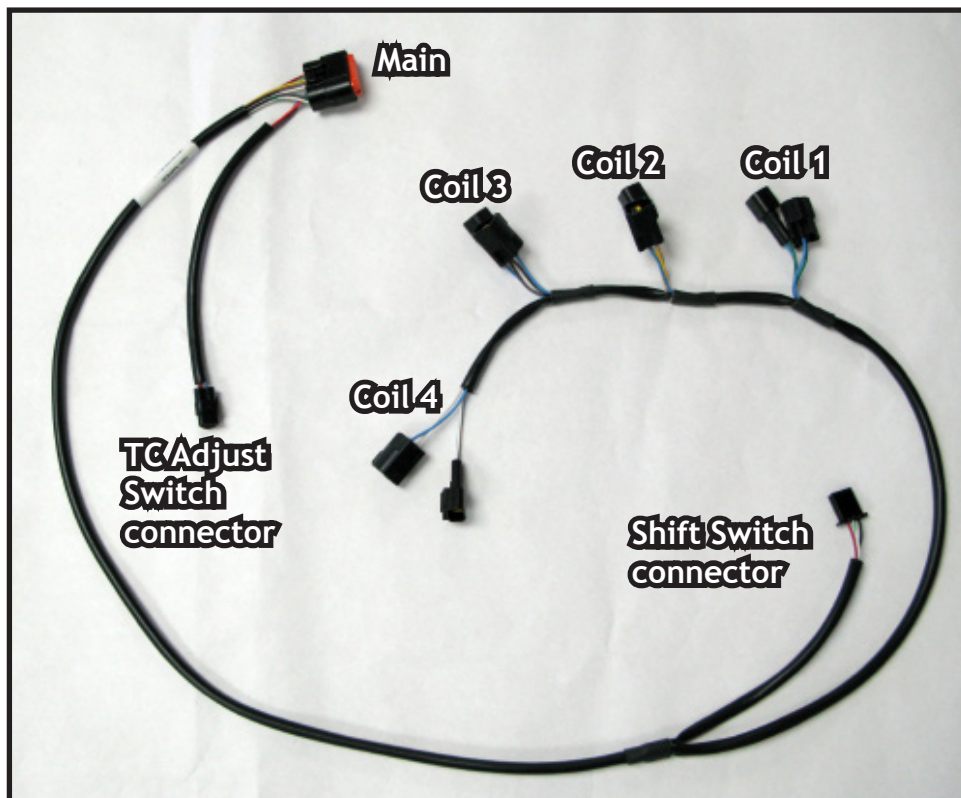Software instructions available at **bazzaz.net**

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

FUEL HARNESS

Labels: Main, Ground, TPS, CKPS, Map select, Inj 4, Inj 3, Speed, Neutral, Z-AFM, Inj 2, Inj 1, +12V Switched power

COIL HARNESS

Labels: Main, Coil 3, Coil 2, Coil 1, Coil 4, TC Adjust Switch connector, Shift Switch connector

1. Begin the installation by removing the rider seat, tank and side panels.

2. Place the **CONTROL UNIT** in the left, front fairing, securing it with the provided Velcro. Plug the main connector of the Bazzaz **FUEL HARNESS** into the control unit.


Bazzaz control unit
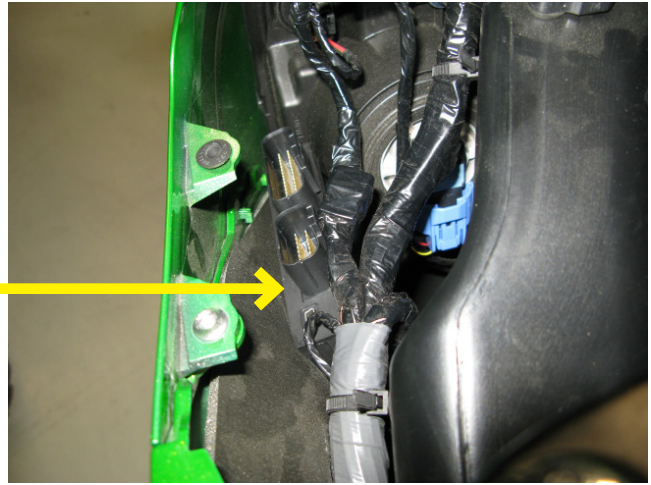
3. Begin to route the fuel harness back towards the engine, on the left side. Locate the factory **INJECTORS**, which can be found between the throttle bodies and the frame. From left to right disconnect the factory connectors from each injector. Plug the Bazzaz injector connectors in-line with each factory connector and injector. Start with the Bazzaz # 1 injector connectors having the pink/white wires.


Factory injector connector

Injector is behind factory connector in this photo
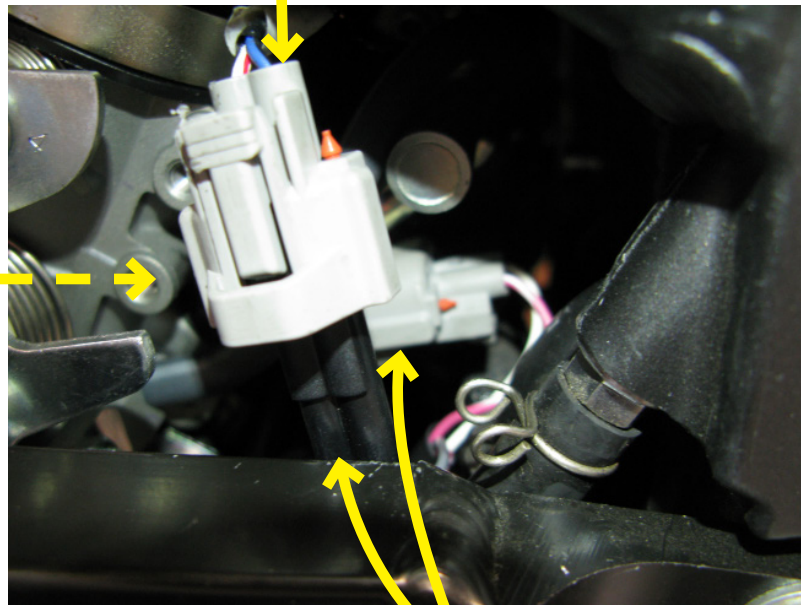
Bazzaz # 1 injector connectors

4. Begin to route the Bazzaz Throttle Position Sensor (**TPS**) connectors between the frame and throttle bodies to the right side of the bike. Locate the factory, black TPS and disconnect the connector from the sensor. Install the Bazzaz TPS connectors in-line between the factory connector and sensor.

Bazzaz TPS connectors

Factory TPS connector

TPS

Bazzaz CKPS connectors
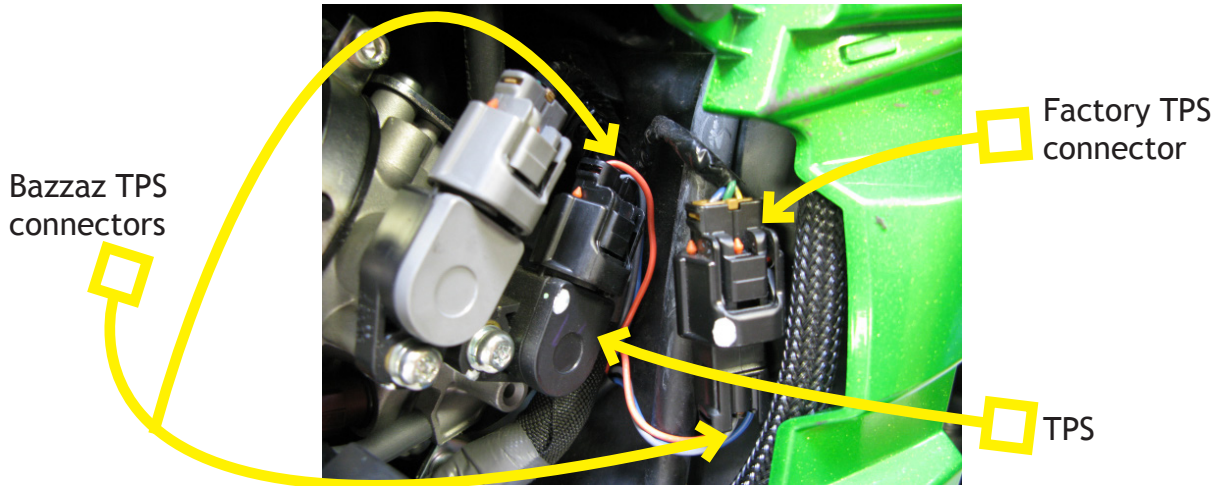
5. Next, locate the factory Crank Position Sensor (**CKPS**) connectors which can be found towards the right side of the bike, slightly below the throttle bodies and between the frame and throttle bodies. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors in-line with the factory connectors.

Factory CKPS connectors
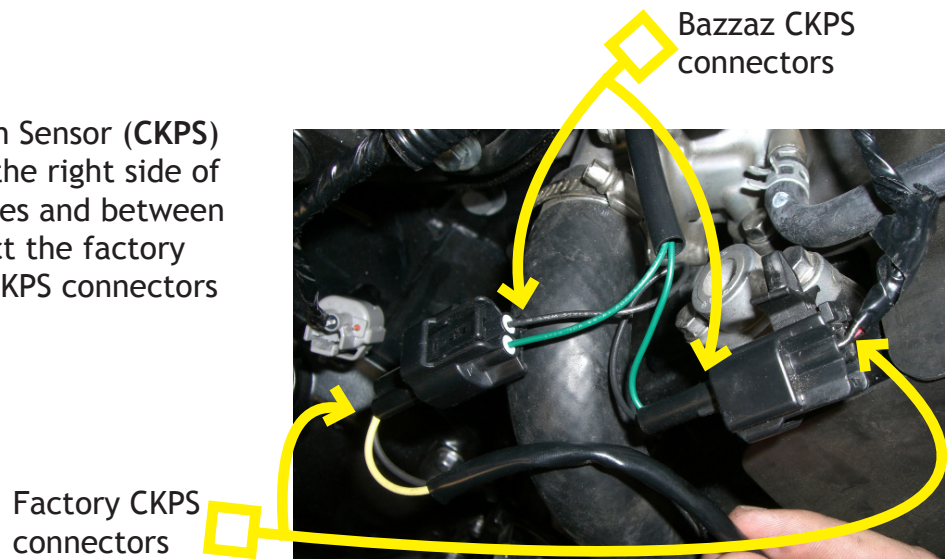
6. Locate the 4-pin, green, speed connector, which can be found on the left side of the motorcycle and behind the fairing. Trim the sheathing back of the 4-pin connector to expose the wiring. Crimp a supplied scotchlok onto the green/red wire and insert the Bazzaz **SPEED** connector (connector having pink wire) into the Scotcholk. You will be working on this 4-pin connector in step 5 as well.

Bazzaz speed connector

Factory green, 4-pin connector

Scotchlok crimped onto the green/red wire of the factory connector
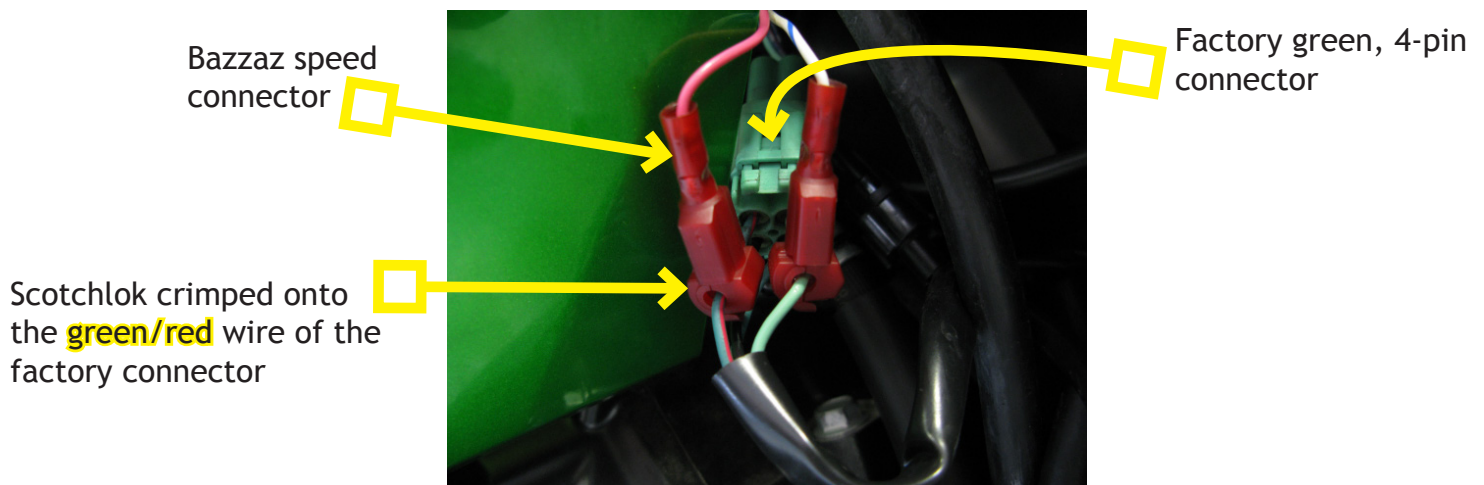
7. Now, within the same 4-pin, green, speed connector, locate the exposed light green wire. Crimp a supplied scotchlok onto the light green wire and insert the Bazzaz **NEUTRAL** connector (connector having blue/white wire) into the Scotchlok.
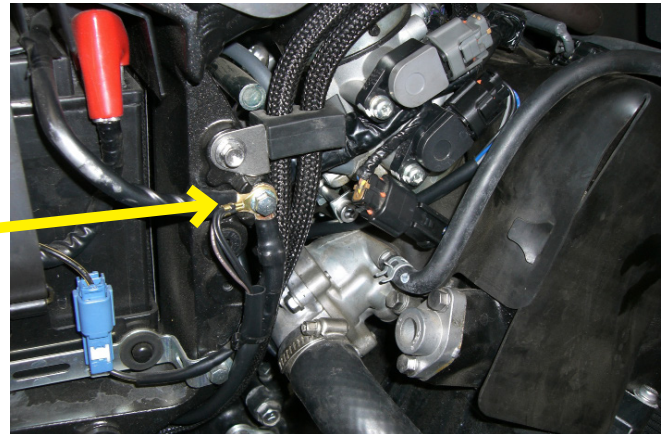
Factory green, 4-pin connector
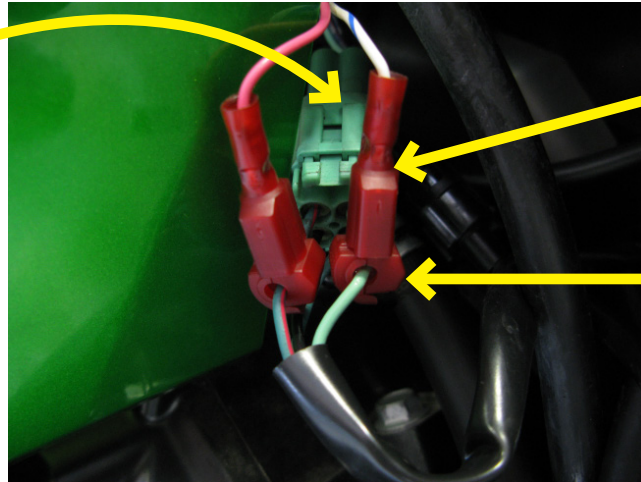
Bazzaz neutral connector

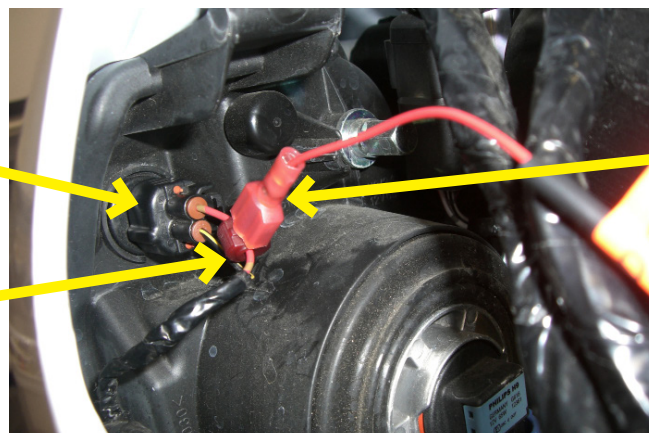Scotchlok crimped onto the light green wire of the factory connector

8. Locate the common **GROUND** on the right side of the motorcycle and begin to route the Bazzaz ground lug between the frame and the throttle bodies. Attach the Bazzaz ground lug to the common ground.

Bazzaz ground

9. Next, locate the left side running light connector. Crimp a supplied Scotchlok onto the red wire of the factory connector and insert the Bazzaz **POWER** connector into the Scotchlok.

Factory running light connector

Bazzaz power connector

Scotchlok crimped onto the red wire of the factory connector

10. Now connect the main connector of the Bazzaz **COIL HARNESS** to the control unit and begin to route the harness down the left side of the motorcycle and to the top of the engine.

From **left** to **right**, unplug the factory coil connectors from the stick coils. Plug the Bazzaz **COIL** connectors in-line between the factory connectors and stick coils. Start with the Bazzaz # 1 coil connectors having the blue and green wires.

Factory coil connector

Factory stick coil
hidden in photo

Bazzaz # 1 coil
connectors
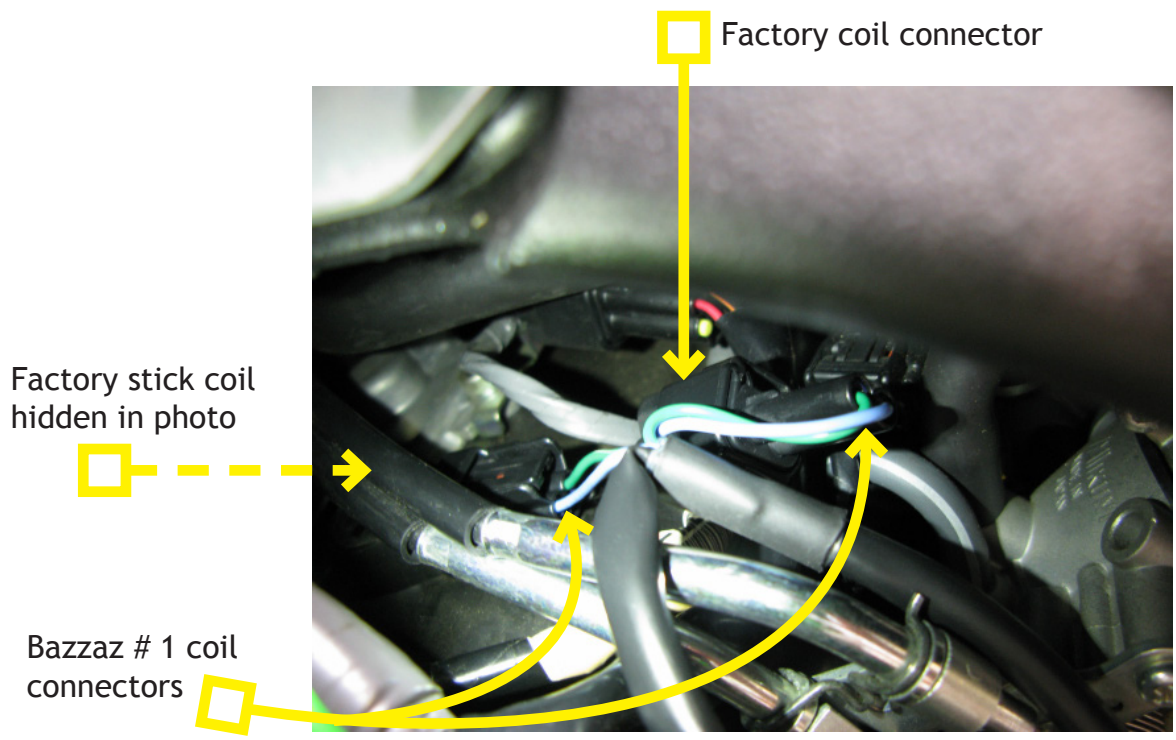
11. In order to install the quickshiftter, aftermarket rearsets must be used. Install the **SHIFT SWITCH** (installation of shift switch will vary depending on brand of rearsets); then route and connect the shift switch connector to the mating connector on the Bazzaz coil harness.

12. To complete the installation, use the supplied cable ties to secure the harnesses neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call **Bazzaz tech support at (909) 597-8300**. After it is determined that everything is correct, reinstall the components removed in step one and the installation will be complete.

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.

The control unit is pre-programmed from the factory with an enhanced map in the map 1 position. The map 2 position is using the stock ECU map. You are able to load and unload maps as needed via the Z-Fi Mapper software.
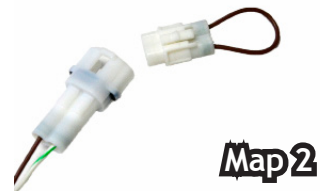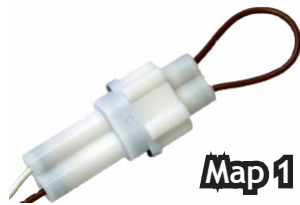
Don't forget to download the Z-Fi Mapper software from **www.bazzaz.net** (under the software tab) so that you can adjust your fuel map, QS or TC settings (depending on the product you purchased). You will also need access to the Z-Fi Mapper software if you will be using the Z-AFM self-mapping kit.

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]