Z-Fi Installation Instructions
Part # F1083

Parts List:
Z-Fi Control Unit
Fuel Harness
Cable Ties
Velcro
USB Cable
Swingarm Stickers
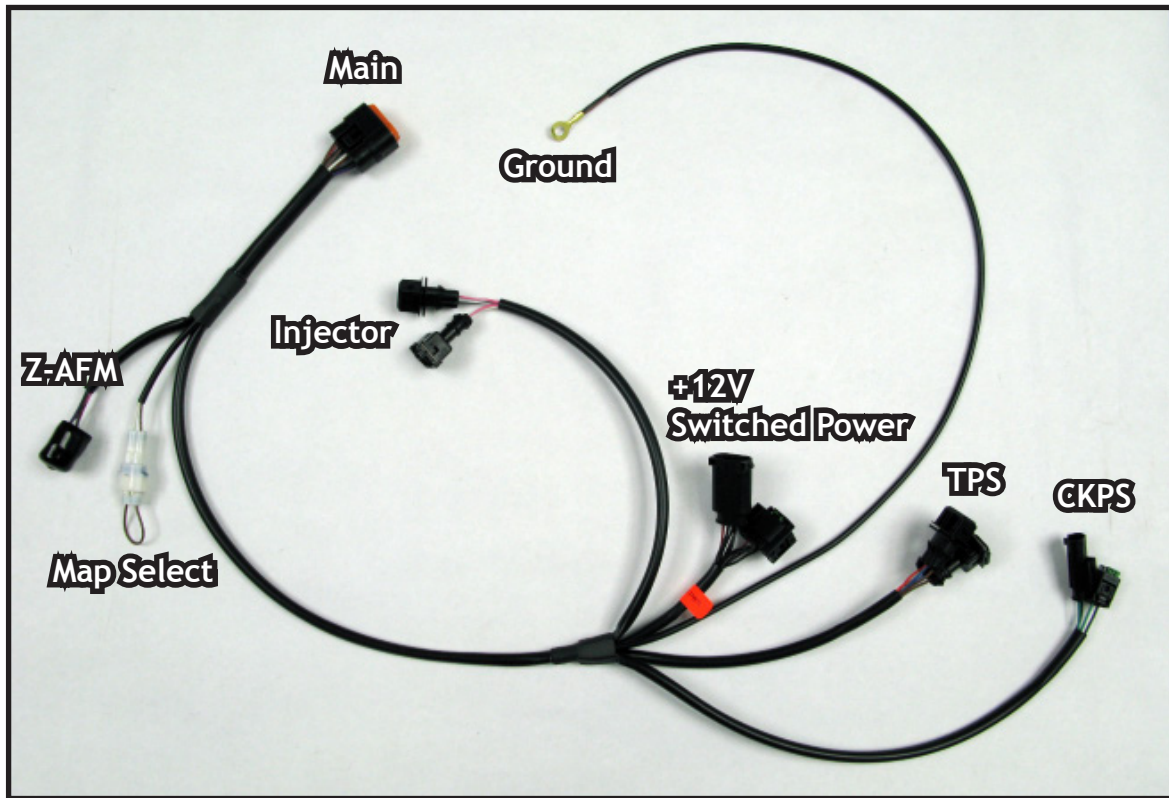Download Z-Fi Mapper Software at **bazzaz.net**
Software instructions available at **bazzaz.net**

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

Main

Ground

Injector

Z-AFM

+12V
Switched Power

TPS

CKPS

Map Select

FUEL HARNESS

1. Start by removing seat and tank panels.
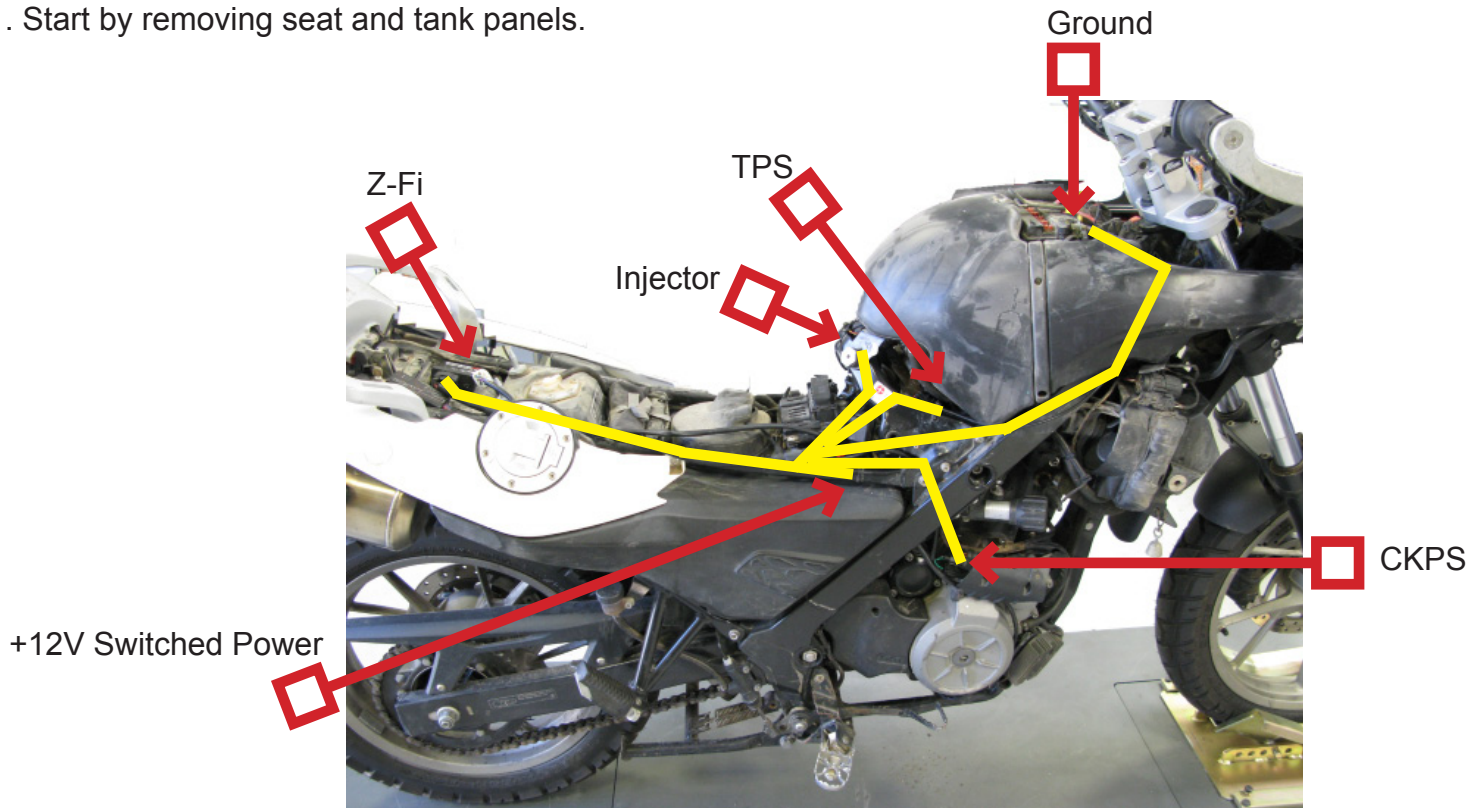
2. Using the supplied Velcro patch, secure the Bazzaz **CONTROL UNIT** in the tail section and connect the main connector of the Bazzaz **FUEL HARNESS** to control unit. Begin routing the harness forward, towards the engine on the right side of the motorcycle.
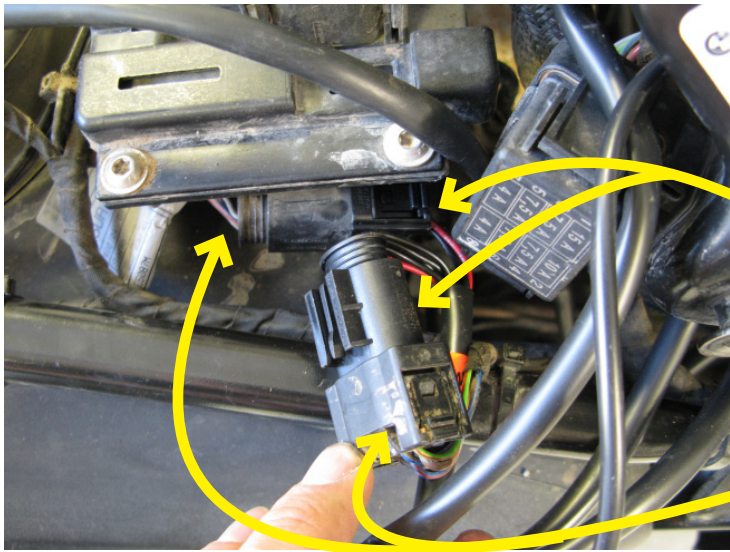
3. Locate the factory tail sub-harness connectors found just below the fuse box; disconnect the factory tail sub-harness connectors, and connect the Bazzaz **+12V SWITCHED POWER** connectors in-line with the factory connectors.

Bazzaz +12V Switched Power connectors

Factory tail sub-harness connectors

Factory injector connector (not shown in photo)

4. Now locate the factory fuel **INJECTOR** and connector in the center of the bike, under the airbox. Disconnect the injector connector and plug the Bazzaz injector connectors in-line between the factory connector and injector.
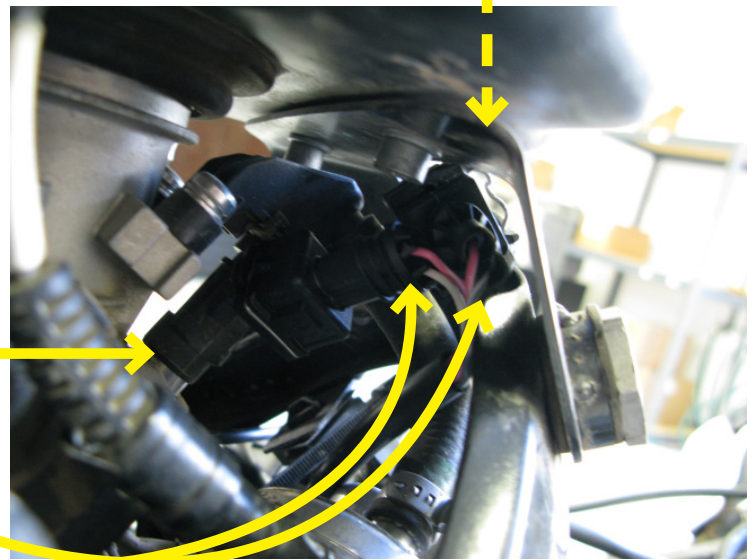
Factory injector

Bazzaz injector connectors

5. Locate the factory Throttle Position Sensor (**TPS**) and connector on the right side of the throttle body. Disconnect the TPS connector from the sensor and connect the Bazzaz TPS connectors in-line, between the factory connector and sensor.
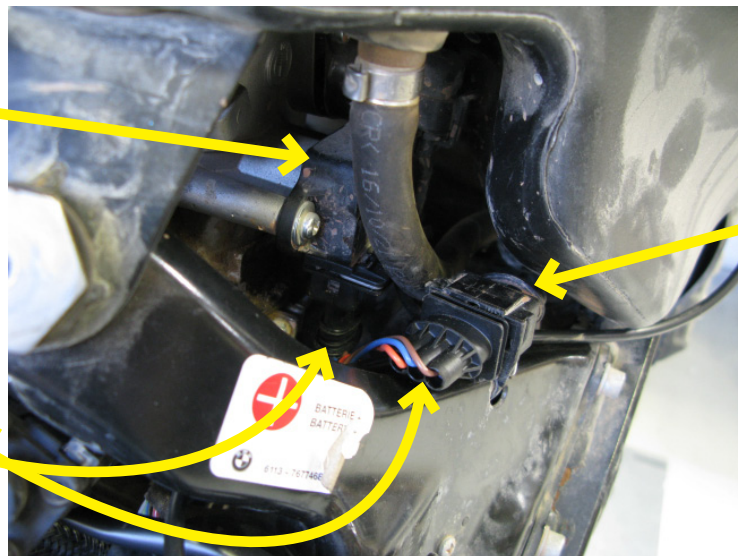
Factory TPS

Factory TPS connector

Bazzaz TPS connectors

6. Route the Bazzaz Crank Position Sensor (**CKPS**) lead down the right side of the motorcycle, between the frame and the motor, and to the area above the clutch cover. Remove the guard to gain access to the factory CKPS connectors; plug the Bazzaz CKPS connectors in-line between the factory CKPS connectors. Replace the guard that was removed.

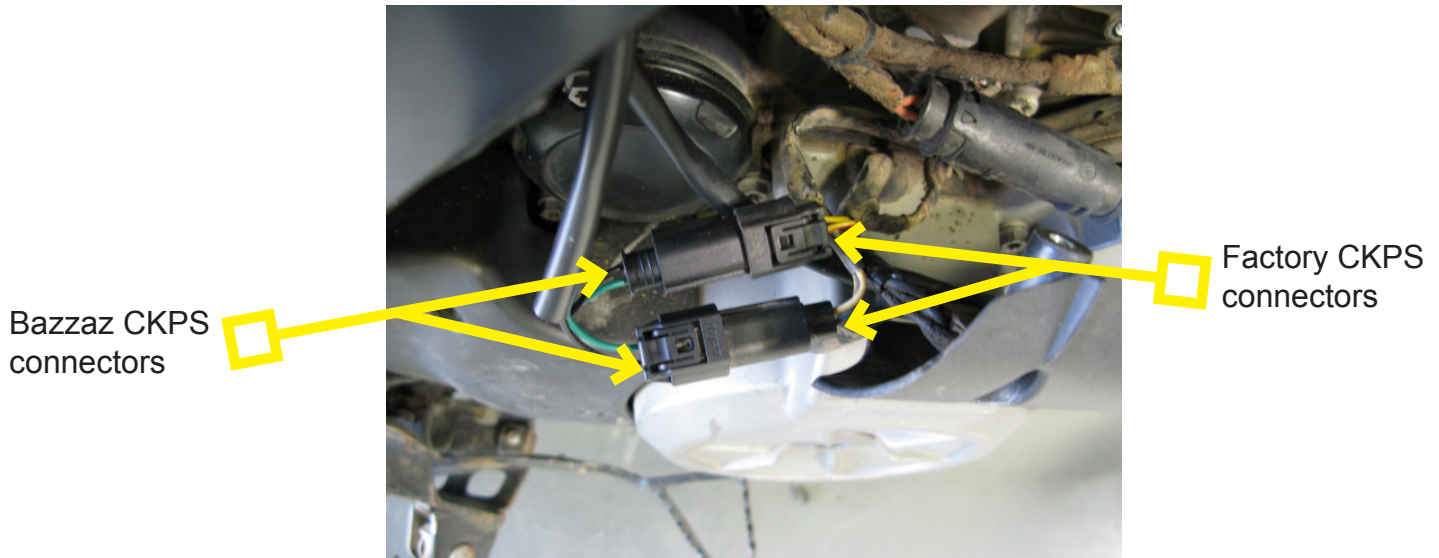Bazzaz CKPS connectors

Factory CKPS connectors

7. Now route the Bazzaz **GROUND** lug forward, to the front of the bike, running it under the airbox and up to the battery. Secure the Bazzaz ground lug to the negative terminal on the battery.
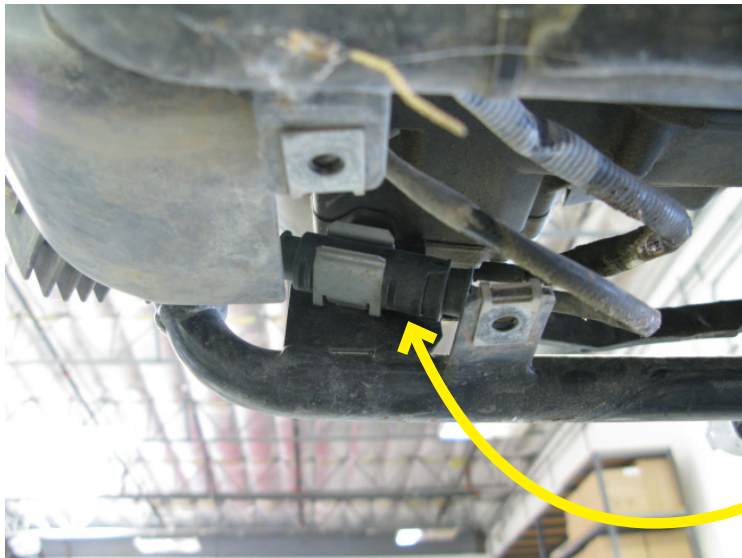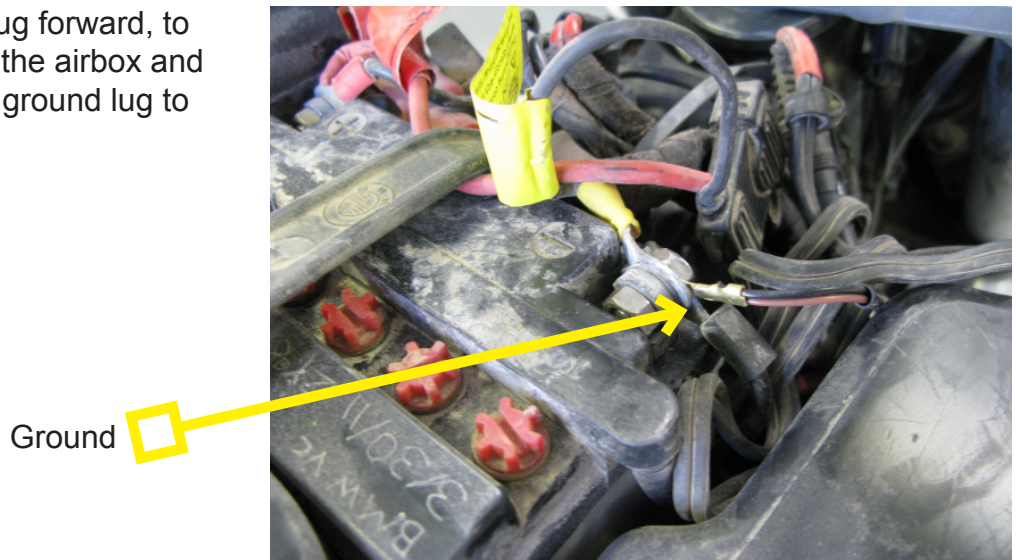
Ground

8. Now you will need to eliminate the factory **O2/ LAMBDA SENSOR**, as this sensor will no longer be used. The sensor connector is a round four-pin connector, found attached to the right side of the frame and under the skid plate. Simply disconnect the connectors; 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.

Factory O2 sensor connector

9. To complete the installation, 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). 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 **bazzaz.net** (under the software tab) if you wish to adjust your fuel map. 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]