



Suzuki Burgman 650 2003-2013

Z-Fi Installation Instructions Part # F670



Parts List:

Z-Fi Control Unit

Fuel Harness

Scotchlok (1)

Cable Ties

Velcro

USB Cable

Swingarm Stickers

Download Z-Fi Mapper Software at bazzaz.net

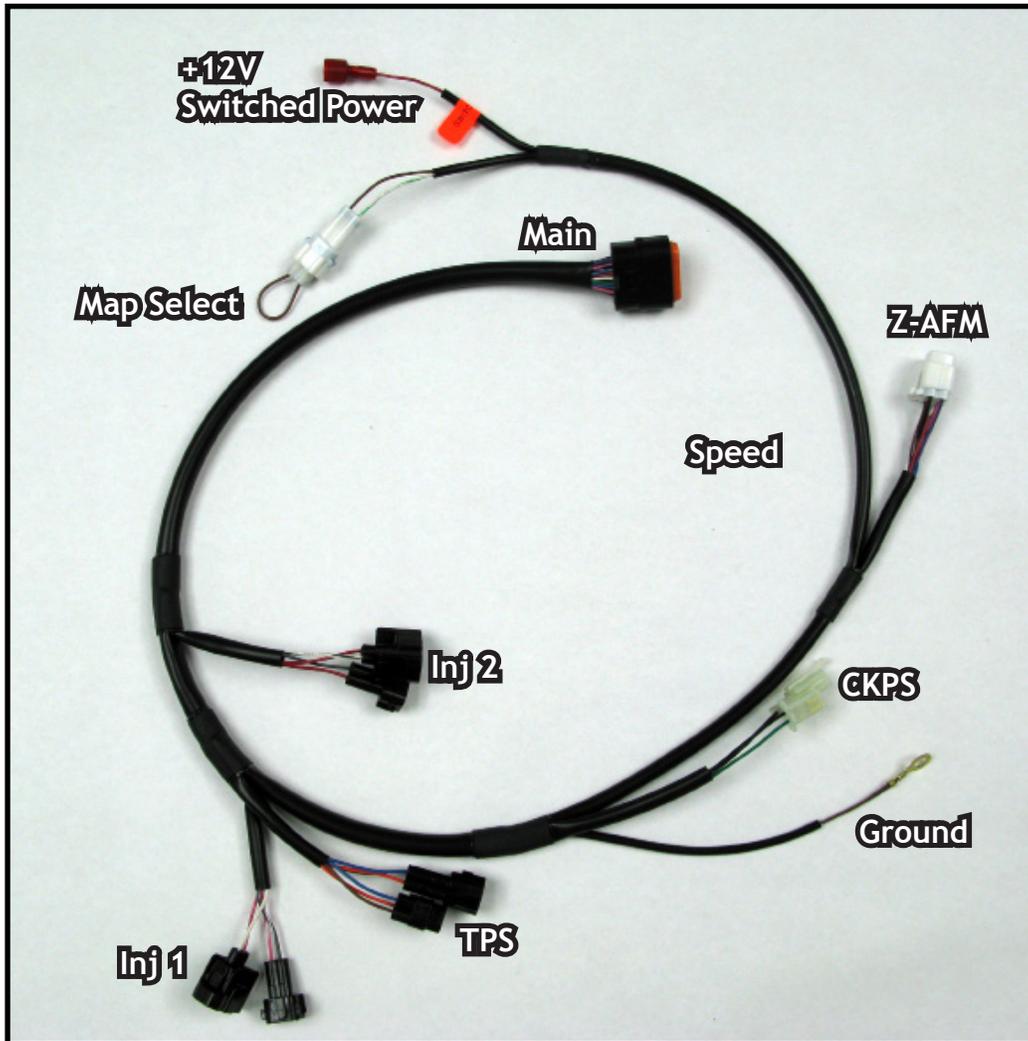
Software instructions available at bazzaz.net

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

Contact Bazzaz tech support at 909-597-8300 for questions

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

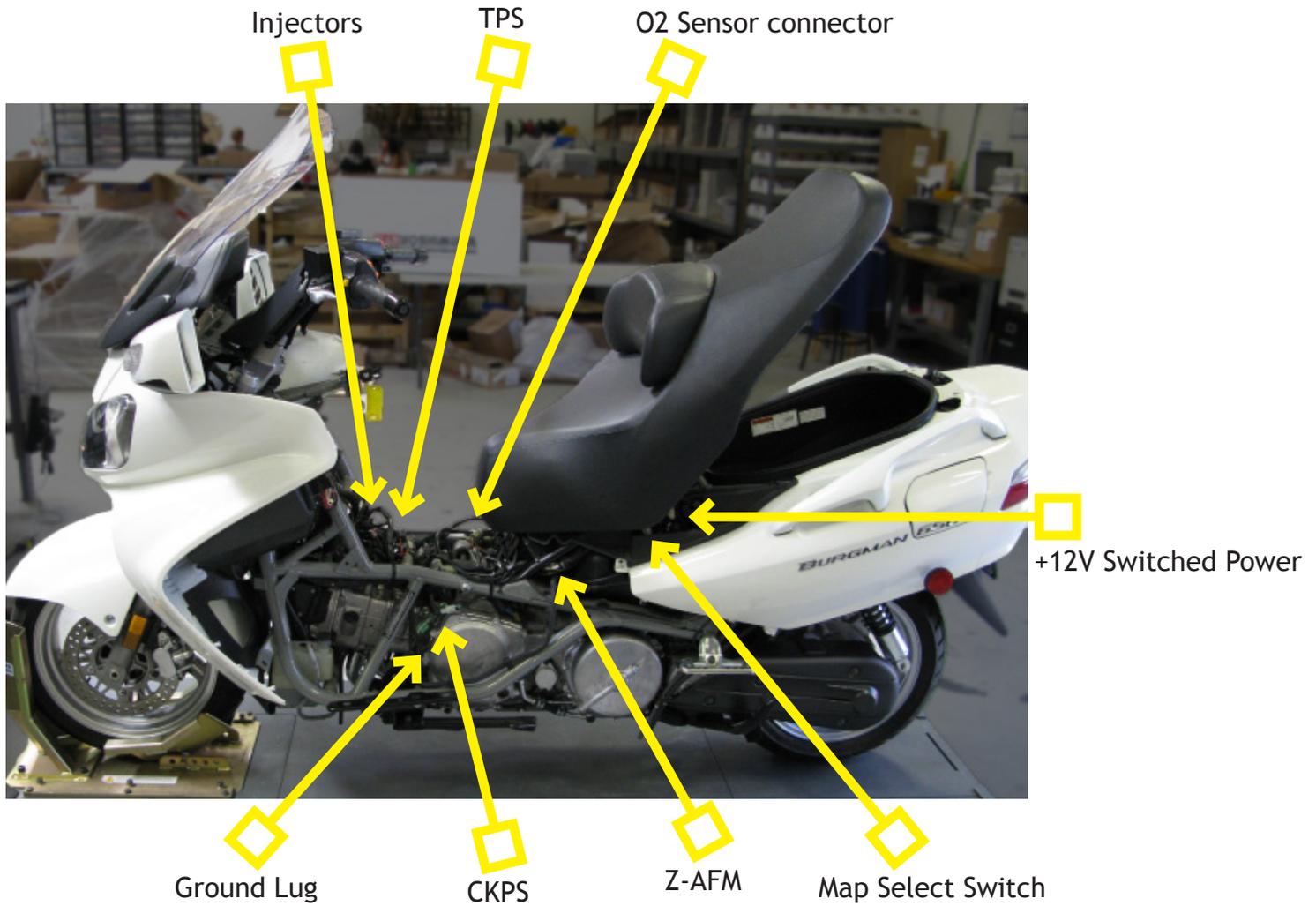


FUEL HARNESS

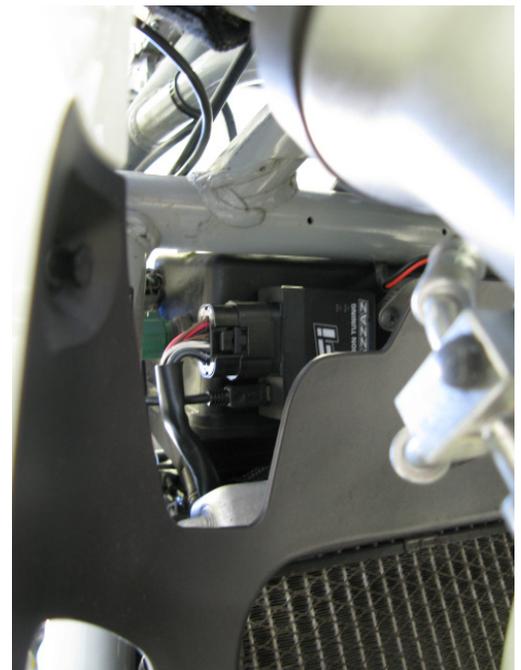
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

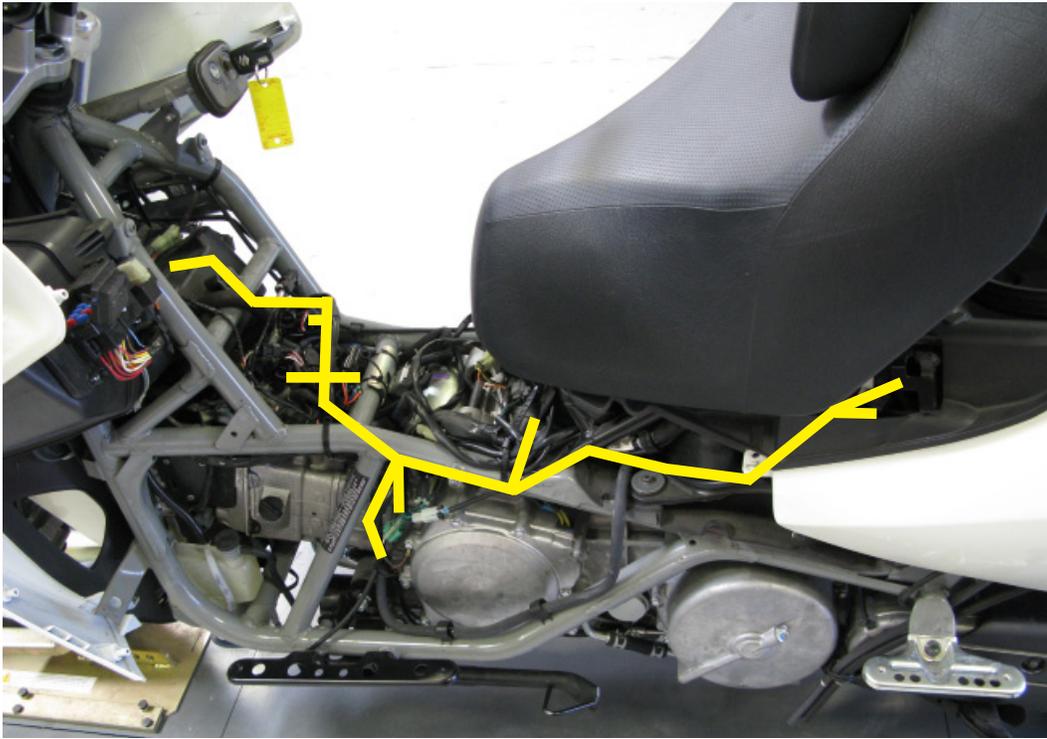
1. Begin the installation by removing the center plastic panels to allow access to the motor.



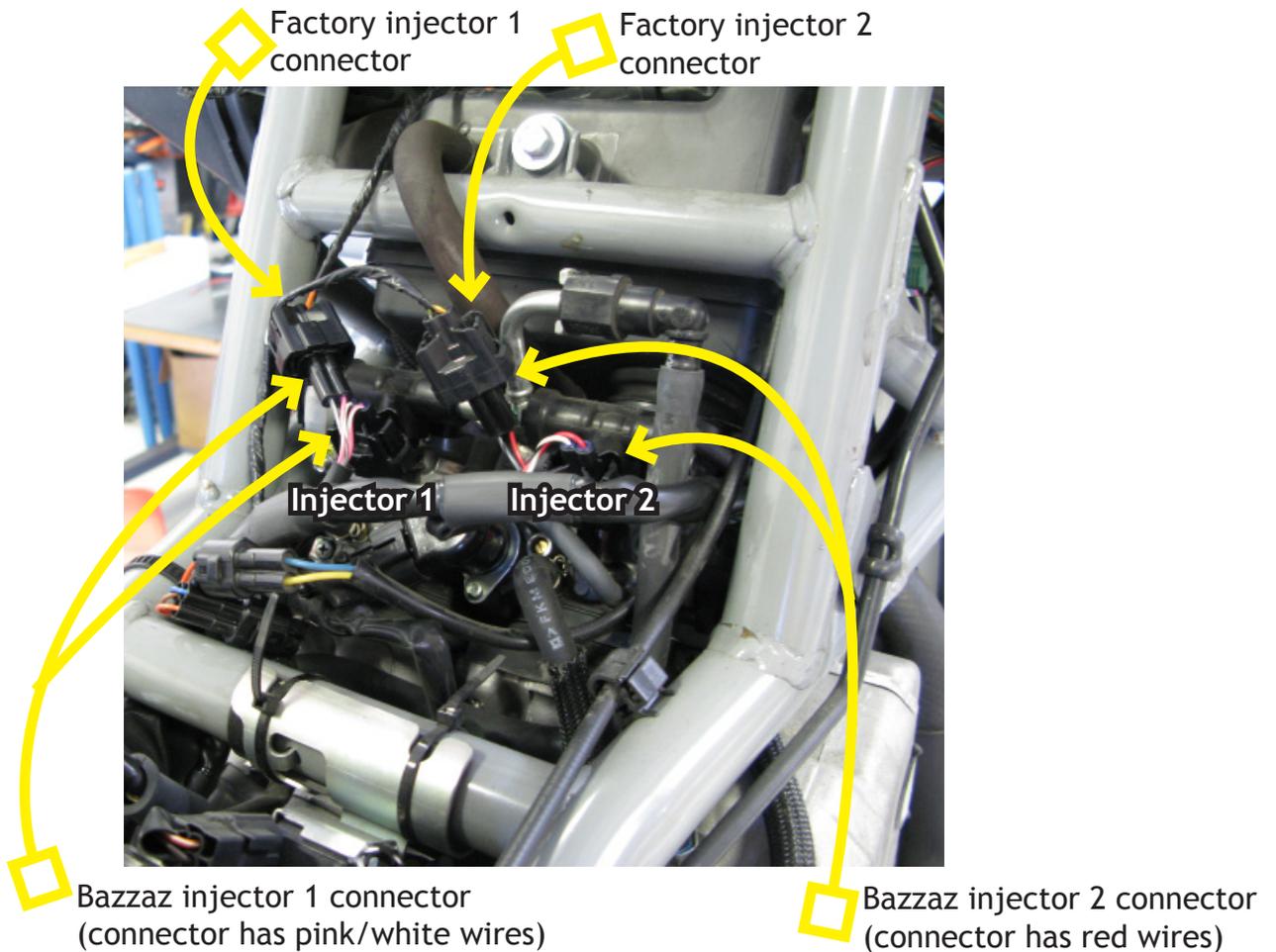
2. Using supplied Velcro patch, secure the Bazzaz CONTROL UNIT to the front of the airbox.



3. Now connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit and begin routing the harness back towards the engine, on the right side of the scooter.



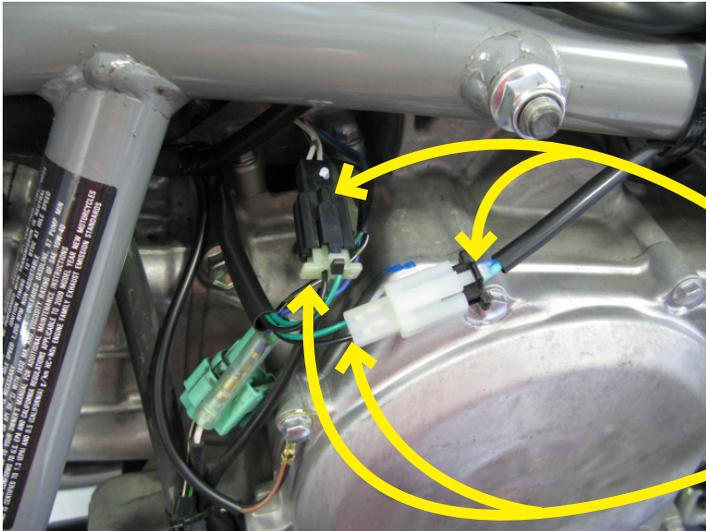
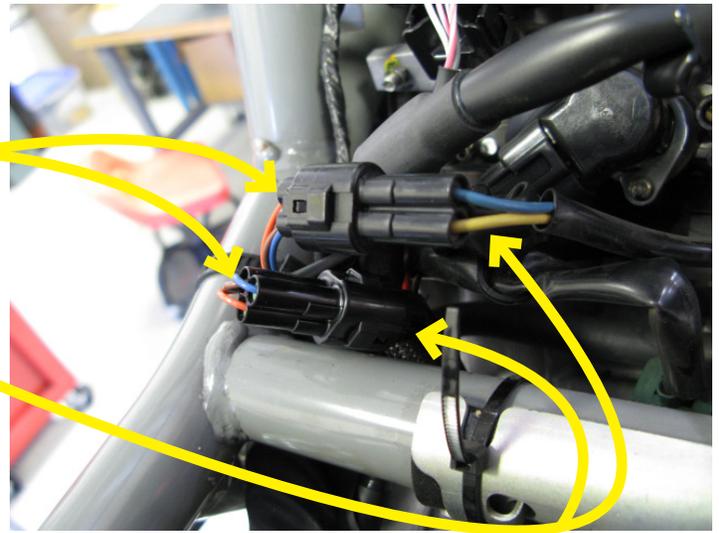
4. Route the fuel harness across the back of the motor and locate the **INJECTORS**. From right (injector 2) to left (injector 1), disconnect the factory injector connectors from each injector and install the Bazzaz injector connectors in-line, between the factory connectors and injectors.



5. Locate the factory Throttle Position Sensor (TPS) connectors, just behind the injectors. Disconnect the factory TPS connectors and install the Bazzaz TPS connectors in-line with the factory connectors.

Bazzaz TPS connectors

Factory TPS connectors

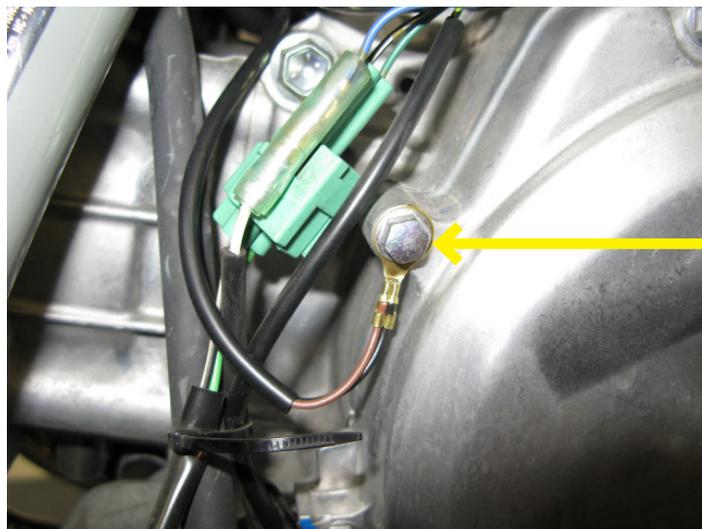


6. Route the remaining portion of the Bazzaz fuel harness down the left side of the frame and locate the black factory Crank Position Sensor (CKPS) connectors. Disconnect the factory CKPS connectors and connect the Bazzaz CKPS connectors in-line with the factory connectors.

Factory CKPS connectors

Bazzaz CKPS connectors

7. Locate a suitable chassis ground and secure the Bazzaz **GROUND** lug to it.

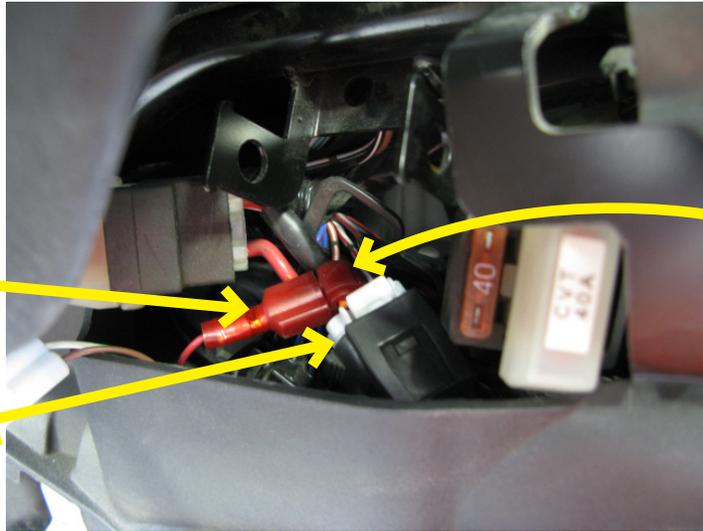


Bazzaz ground

8. Now route the remaining portion of the harness back, along the frame, and up to the area under the seat where the relays are located. Locate the six-pin, white diagnostic connector and crimp a supplied Scotchlok onto the **orange/white** wire of the connector. Insert the Bazzaz **POWER** connector into the Scotchlok.

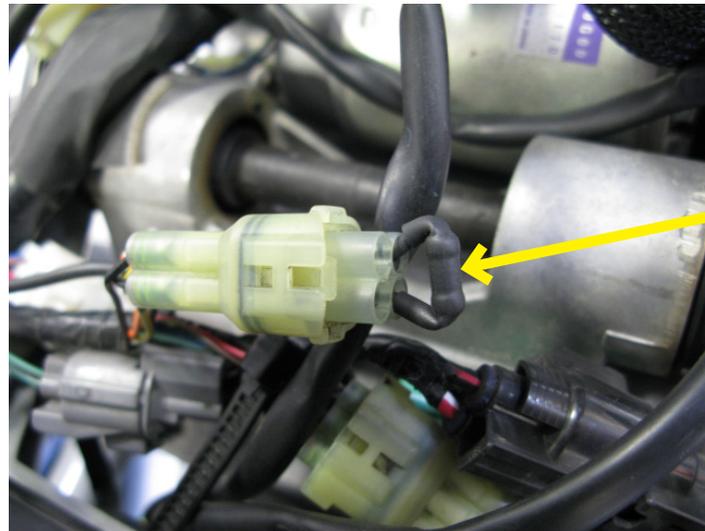
Bazzaz power connector

Factory six-pin, white diagnostic connector



Scotchlok crimped onto the orange/white wire of the diagnostic connector

9. Disconnect the factory O2 sensor connector from the factory harness. This sensor will no longer be used; the wires should be neatly secured from away from any moving components, or the sensor may be removed and the remaining port/bung in the exhaust can then be plugged. The Bazzaz **O2 ELIMINATOR** supplied in the kit must be connected in place of the factory O2 sensor connector to avoid triggering a fault code (FI light).



Bazzaz O2 Eliminator

10. 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.

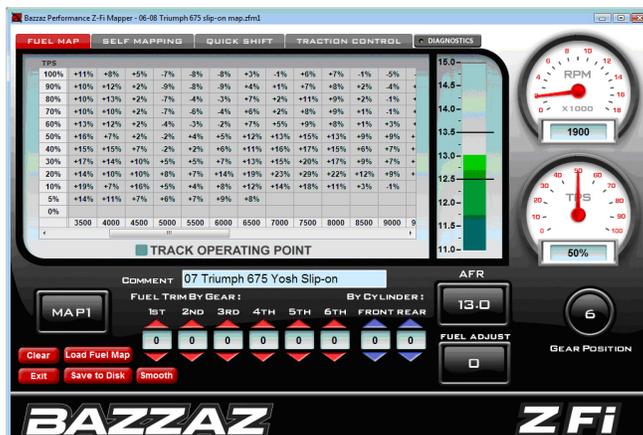
The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected the control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

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

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]

