Suzuki DL650 V-Strom 2011

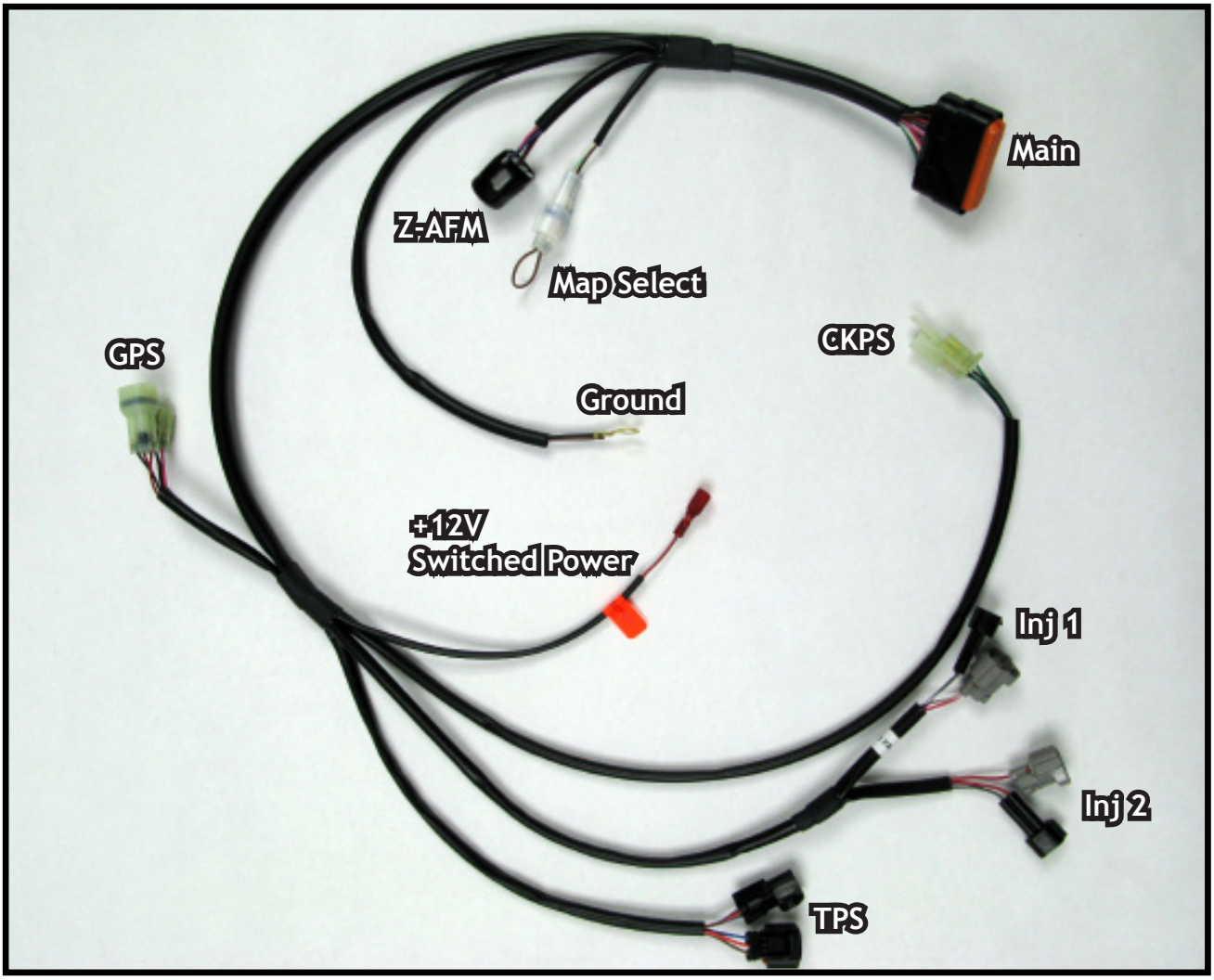
Z-Fi Installation Instructions
Part # F680

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

BAZZAZ HARNESS CONNECTOR IDENTIFICATION



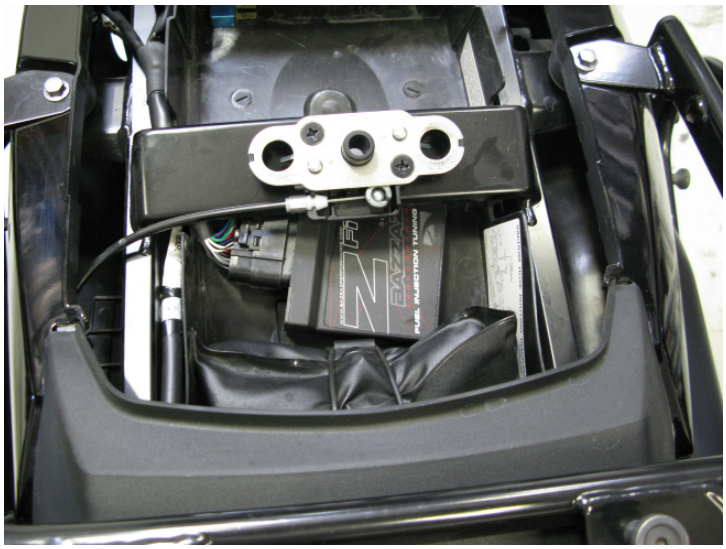
FUEL HARNESS

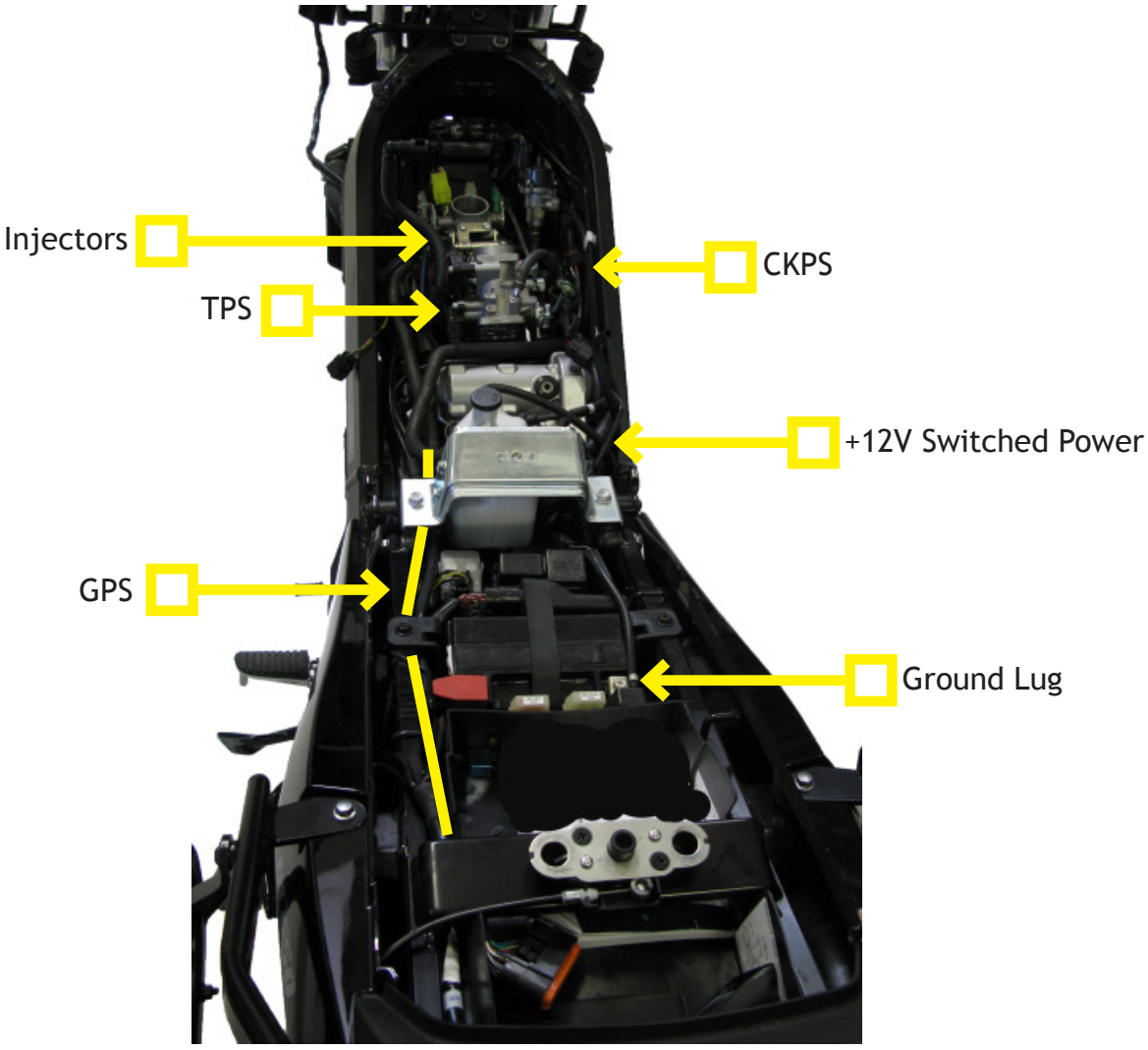
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

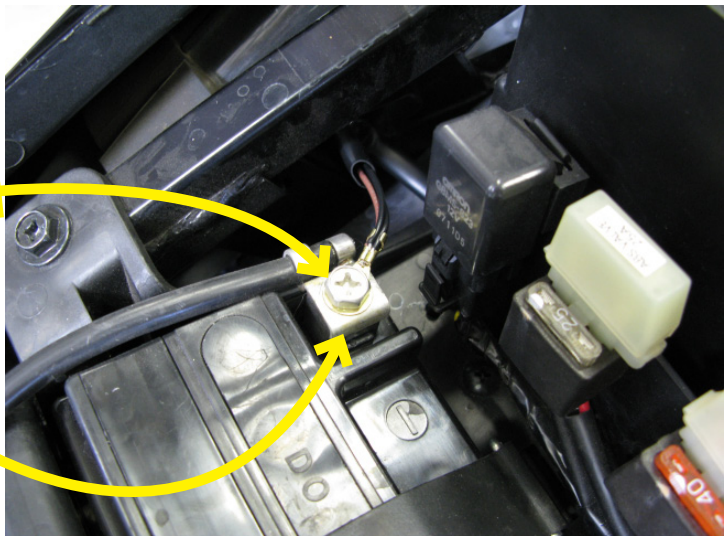
1. Begin by removing the seat, side panels, tank and airbox.

2. Using supplied Velcro patch, secure the Bazzaz **CONTROL UNIT** beneath the rider seat and behind the battery.

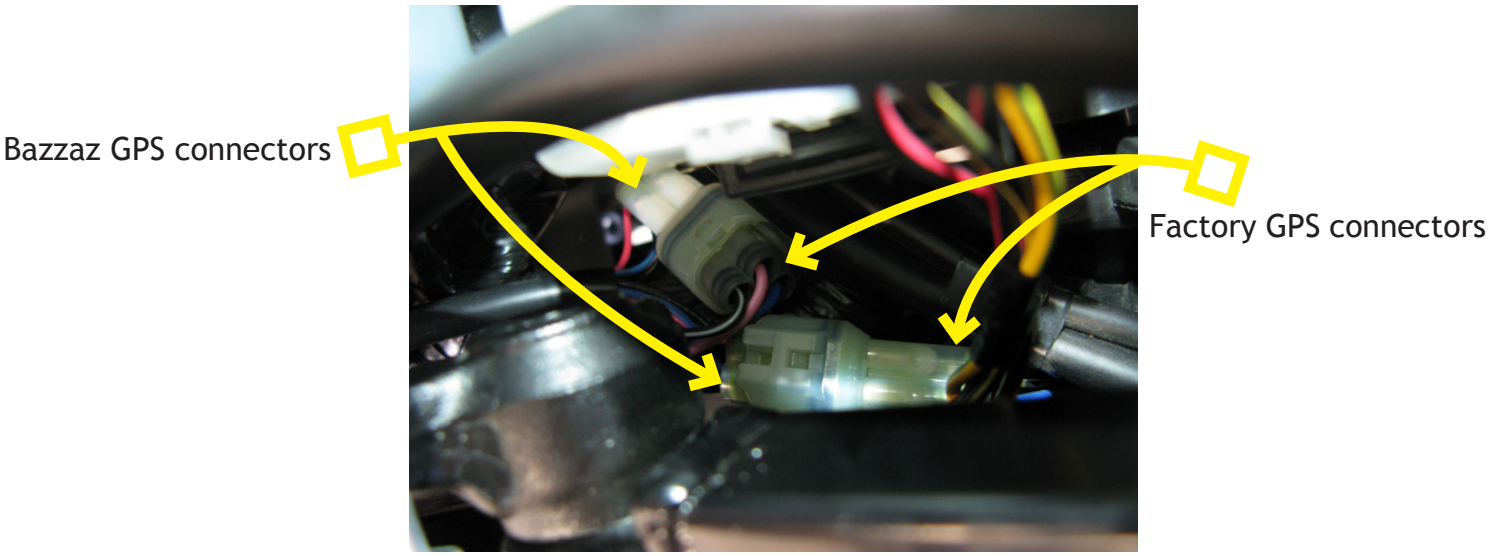


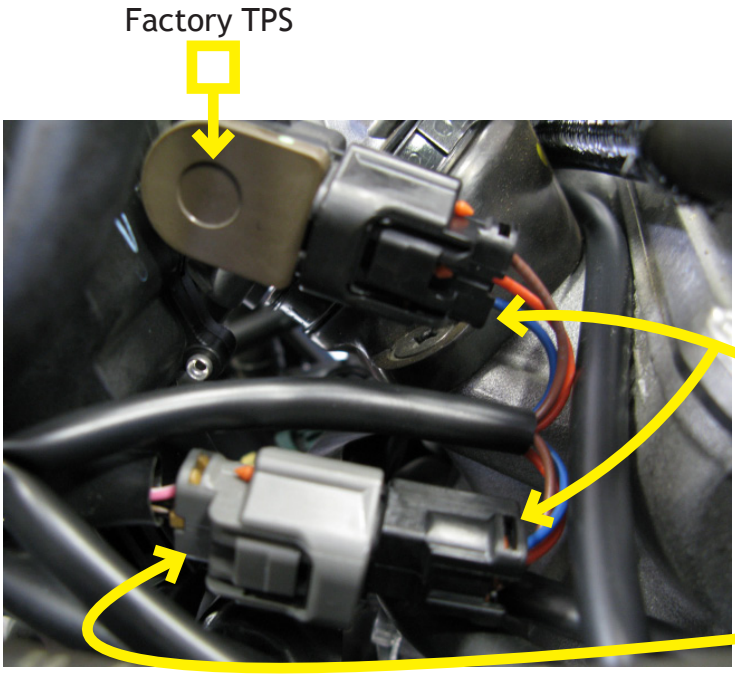


3. Route the Bazzaz **GROUND LUG** lead towards the negative battery terminal. Install the ground lug to the negative battery terminal.



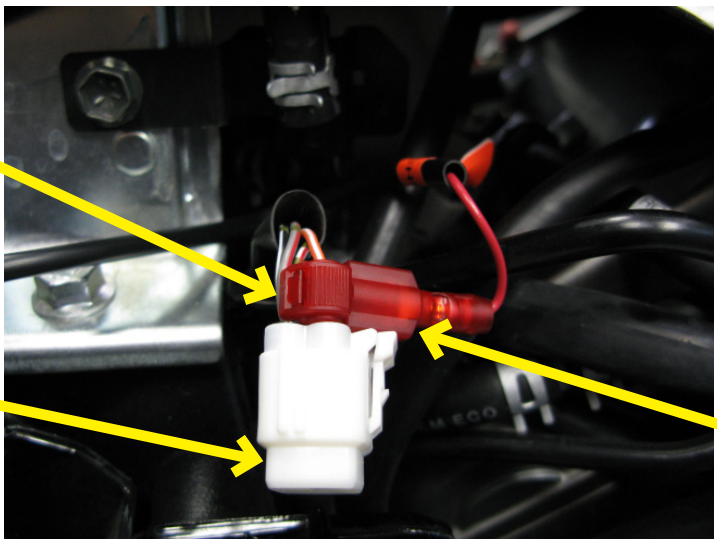
4. As the harness is being routed down the left side of the bike, locate the factory Gear Position Sensor (**GPS**) connectors, which can be found between the tail section fairing and the sub frame (near where the sub frame and frame connect). Diconnect the factory GPS connectors and install the Bazzaz GPS connectors in-line with the factory connectors.



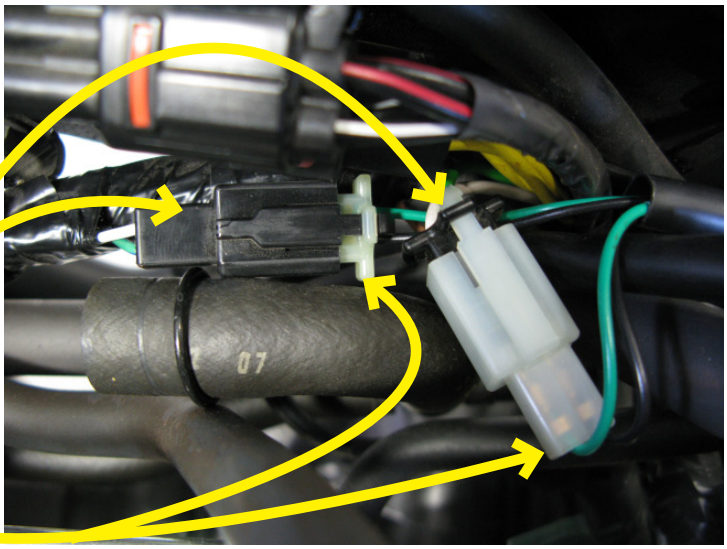


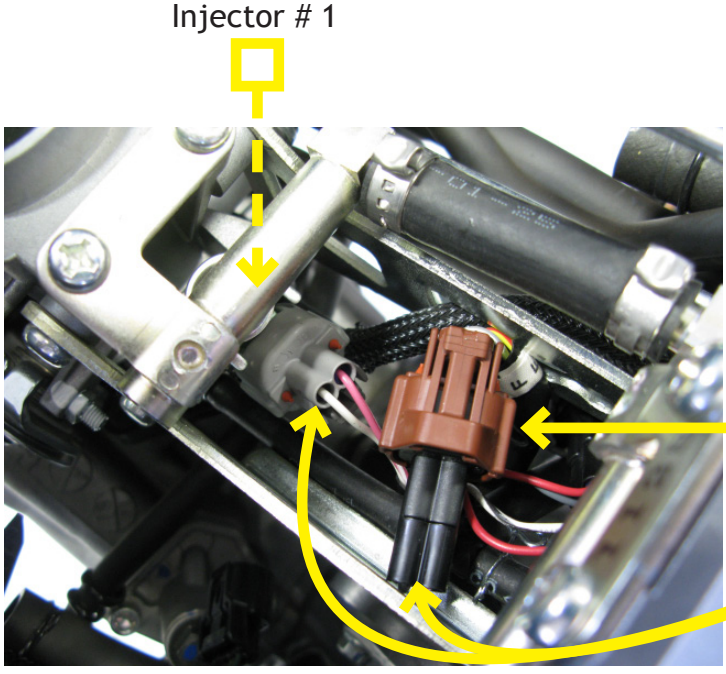
5. Locate the factory Throttle Position Sensor (**TPS**), which will be found on the rear throttle body (left side). Disconnect the factory TPS connector from the sensor and install the Bazzaz TPS connectors in-line with the factory connector and sensor.

6. Route the Bazzaz switched **POWER** lead to the right side of the bike and locate the factory six-pin, diagnostic connector, which can be found near the rear tank mount. Now crimp the supplied Scotchlok onto the orange/white wire of the factory six-pin diagnostic connector and insert the Bazzaz switched power connector into the Scotchlok.



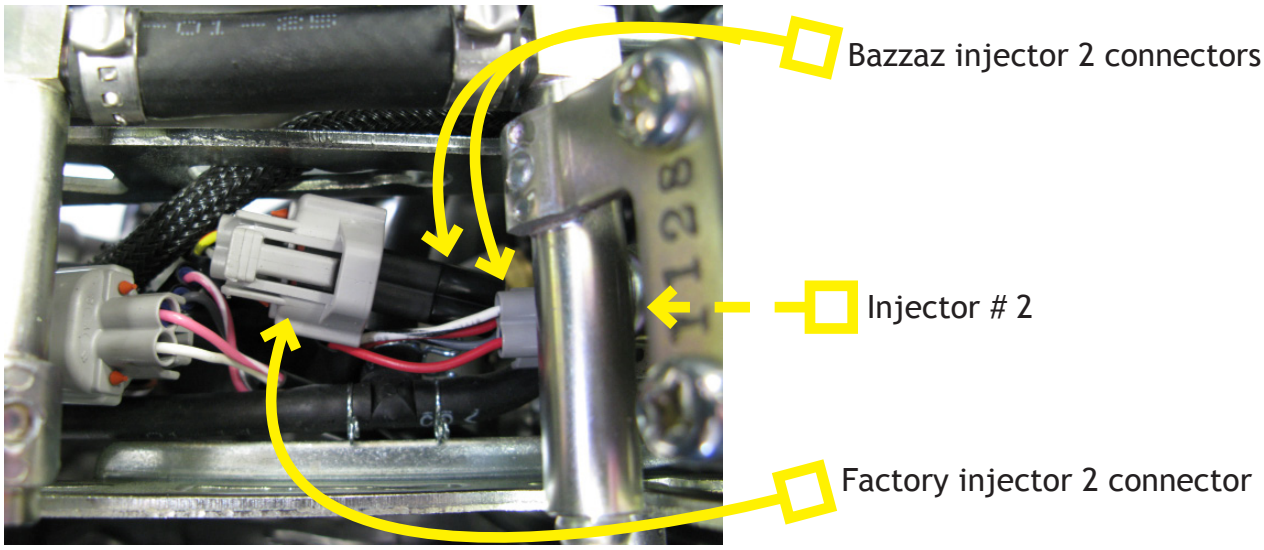
7. Locate the factory two-pin Crank Position Sensor (**CKPS)** connectors, which can be found on the right side of the bike along the frame. Once located, begin to route the Bazzaz CKPS lead between the rear throttle body and the rear valve cover. Disconnect the factory CKPS connectors and connect the Bazzaz CKPS connectors in-line with the factory connectors.





8. Next, begin to route the Bazzaz injector lead to the middle of the throttle bodies. Disconnect the **INJECTOR # 1** (front cylinder injector) factory connector from the injector. Install the Bazzaz injector # 1 connectors (pink/white wire) in-line with the factory injector and connector.

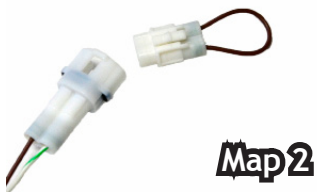
9. Now disconnect the **INJECTOR # 2** (rear cylinder injector) factory connector from the injector and install the Bazzaz injector # 2 connectors in-line with the factory injector and connector.



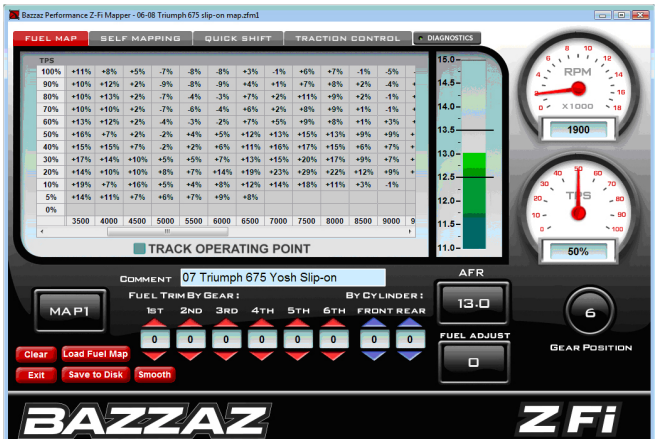
10. To complete the installation, use the supplied cable ties to secure the harness neatly along the routing path, free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem 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.

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]