



Husqvarna TC449 2012

Husqvarna TE511 2012

Z-Fi Installation Instructions  
Part # F1134



**Parts List:**

Z-Fi Control Unit

Fuel Harness

Cable Ties

Velcro

USB Cable

Swingarm Stickers

Download Z-Fi Mapper Software at [www.bazzaz.net](http://www.bazzaz.net)

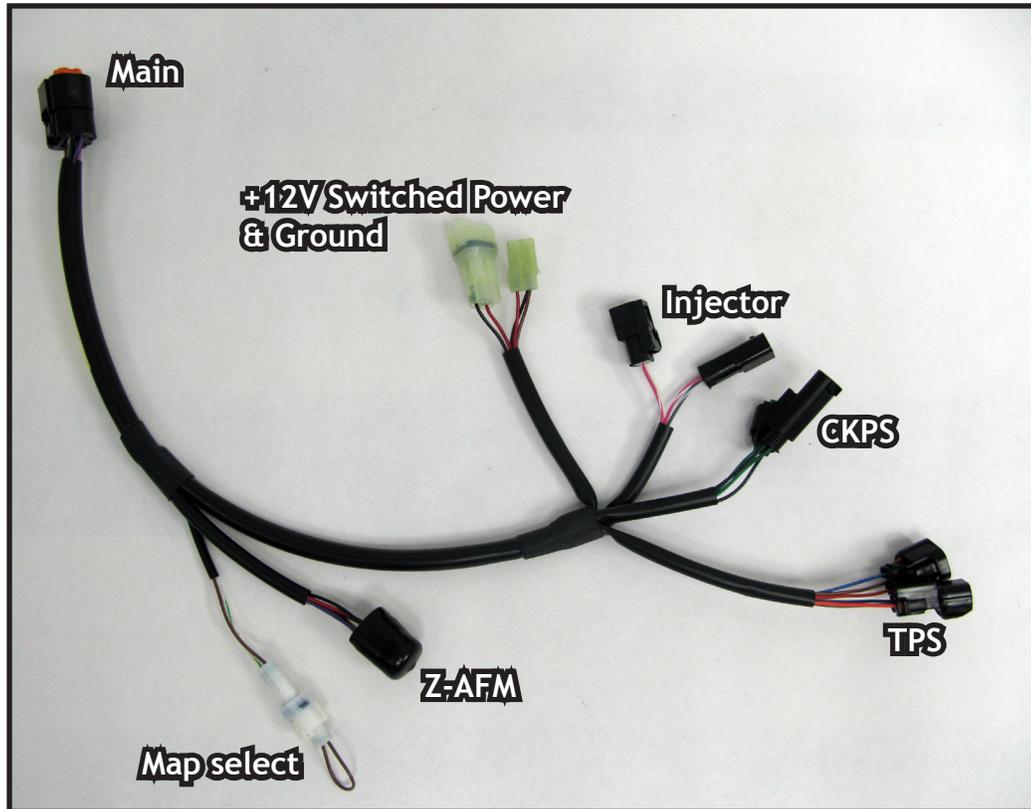
Software instructions available at [www.bazzaz.net](http://www.bazzaz.net)

**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

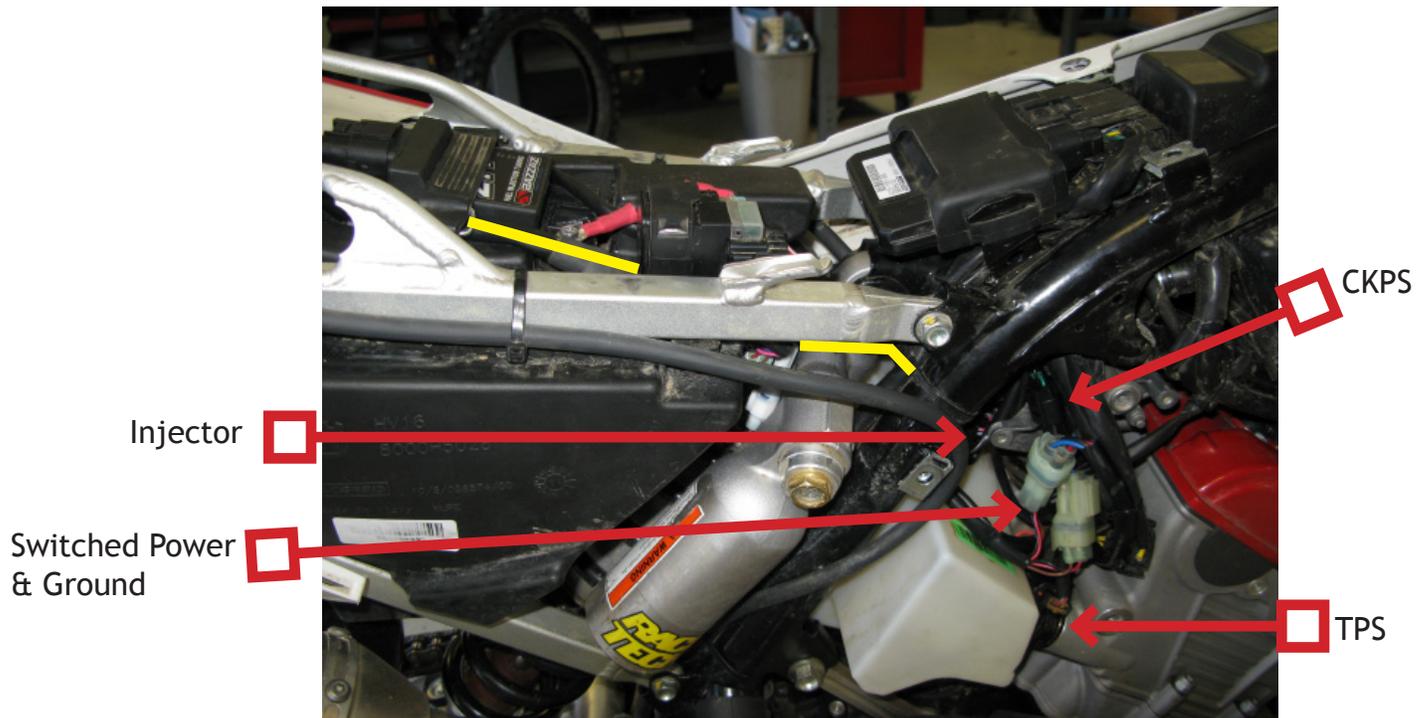
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT**

1. Begin the installation by removing the rider seat, both side fairings and tank.
2. Using the supplied Velcro patch, secure the Bazzaz control unit on top of the battery. When doing this, you must remove (and then replace) the factory battery holder.



3. Connect the main connector of the Bazzaz fuel harness to the control unit and begin routing the harness (highlighted in yellow) back toward the engine on the right hand side.

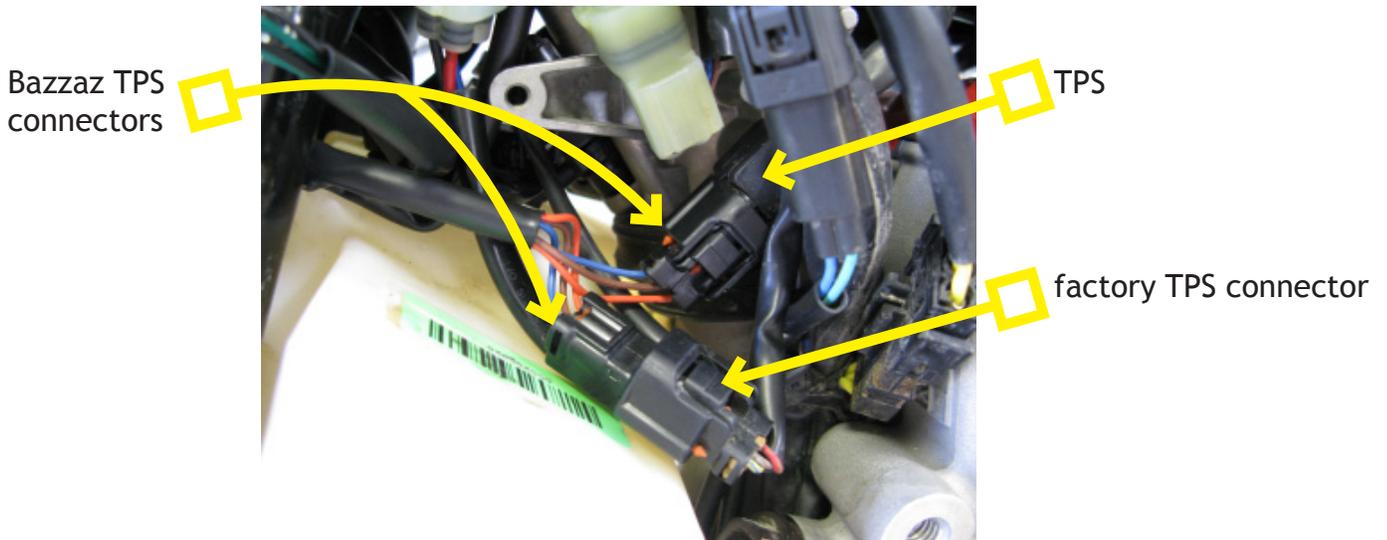


Stock component identification location for general reference

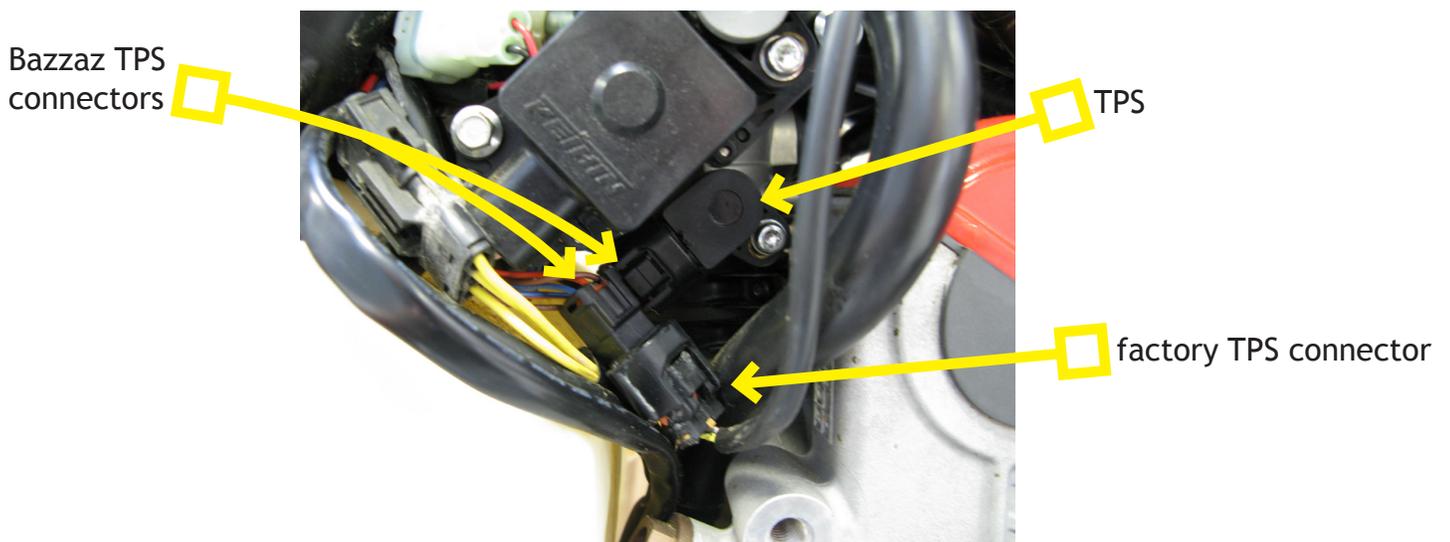
## **\*\* THROTTLE POSITION SENSOR (TPS) \*\***

If installing on the TC449 use step 4A  
If installing on the TE511 use step 4B

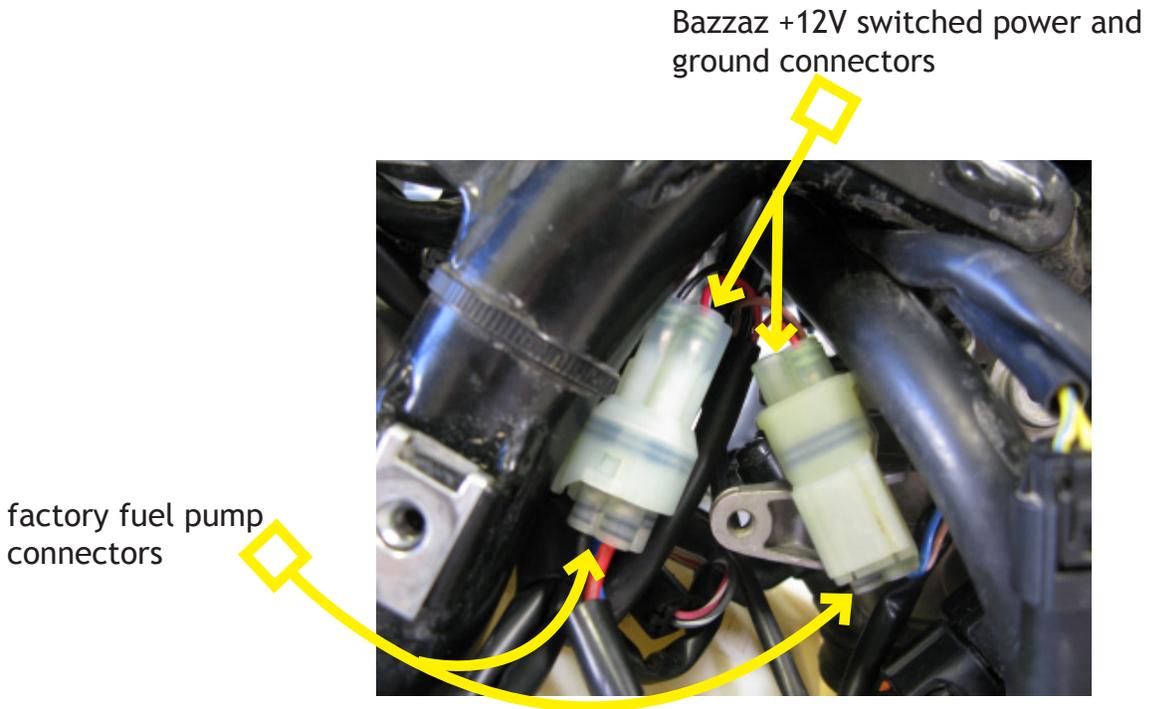
**TC449:**  
4A. Route the fuel harness inside the frame and towards the engine. Locate the factory TPS, which can be found on the lower right hand side of the throttle body. Disconnect the TPS connector from the sensor and connect the Bazzaz TPS connectors in-line with the factory connector and sensor.



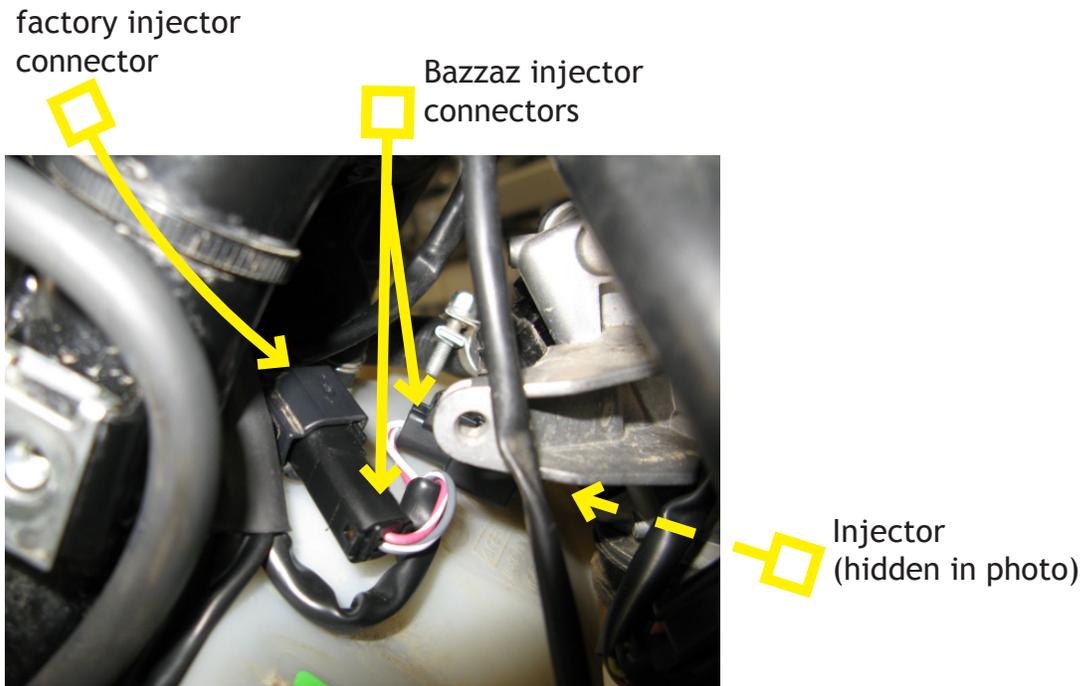
**TE511:**  
4B. Route the fuel harness inside the frame and towards the engine. Locate the factory, **black** TPS which is on the bottom of the throttle body. There are two Throttle Position Sensors on the throttle body (a black one and a gray one) so make sure you locate the correct (black) one. Disconnect the TPS connector from the sensor and connect the Bazzaz TPS connectors in-line with the factory connector and sensor.



5. Locate the factory fuel pump connectors (four-pin, clear connectors), which are located in the approximate location as the TPS. Disconnect the factory connectors and plug the Bazzaz +12V switched power and ground connectors in-line with the factory connectors.



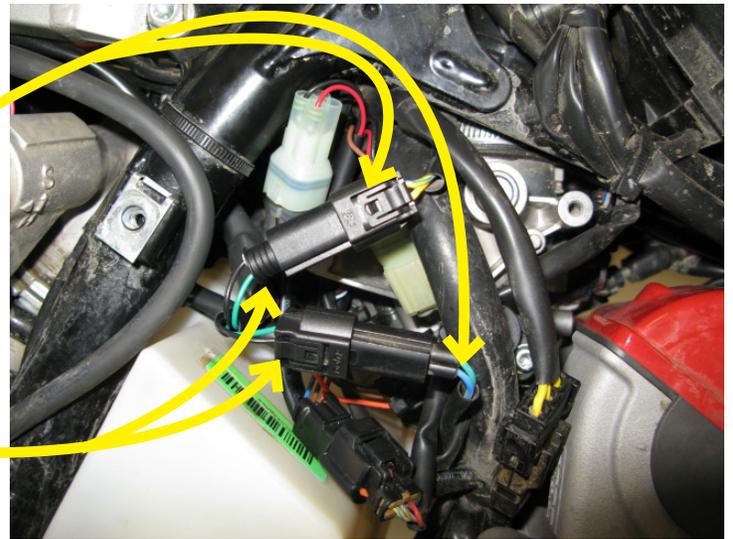
6. Locate the injector found above the fuel tank, in the center of the throttle body. Disconnect the factory connector from the injector. Install the Bazzaz injector connectors in-line with the factory connector and injector.



7. Now disconnect the factory CKPS connectors, which are located on the right hand side of the bike, near the fuel pump connectors. Connect the Bazzaz CPKS connectors in-line with the factory CKPS connectors.

factory CKPS connectors

Bazzaz CKPS connectors

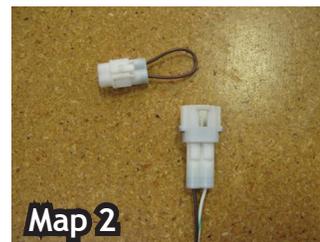


8. To complete the installation, use the supplied cable ties to secure the harness neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem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

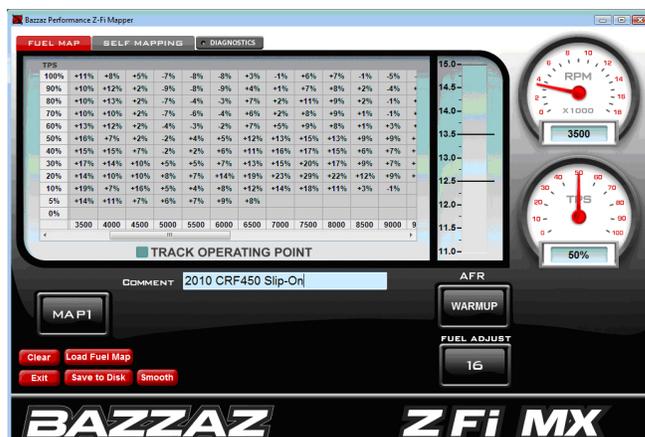
The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected the control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

**Note:** Upon installing the system, verify you have selected the proper map to correspond with your model. The controller supplied with this kit has been pre-programmed with two enhanced fuel maps. Map 1 is intended for use on the TC449 and Map 2 for the TE511.

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](http://www.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]

