



## KTM 450SX-F 2013

### Z-Fi Installation Instructions Part # F533



#### Parts List:

Z-Fi Control Unit

Fuel Harness

Cable Ties

Velcro

USB Cable

Swingarm Stickers

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

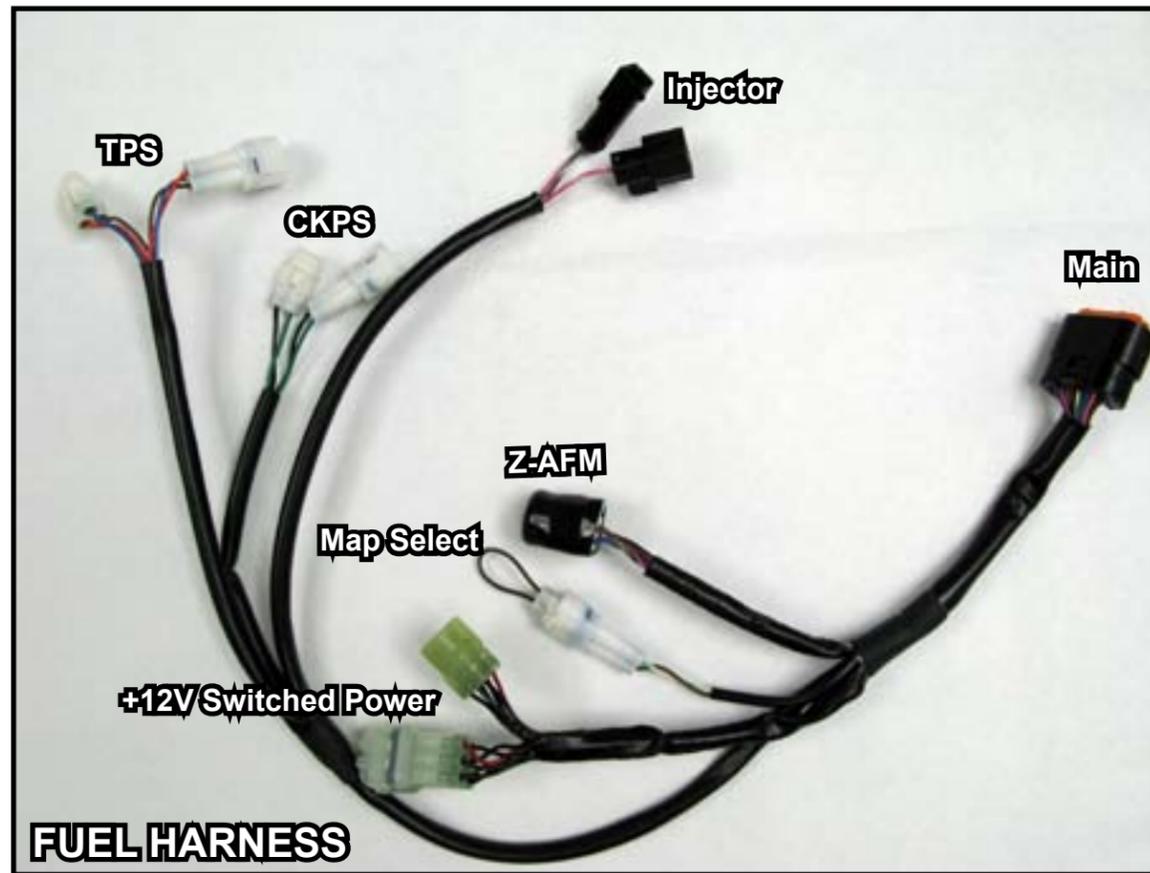
Software instructions available at [bazzaz.net](http://bazzaz.net)

**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

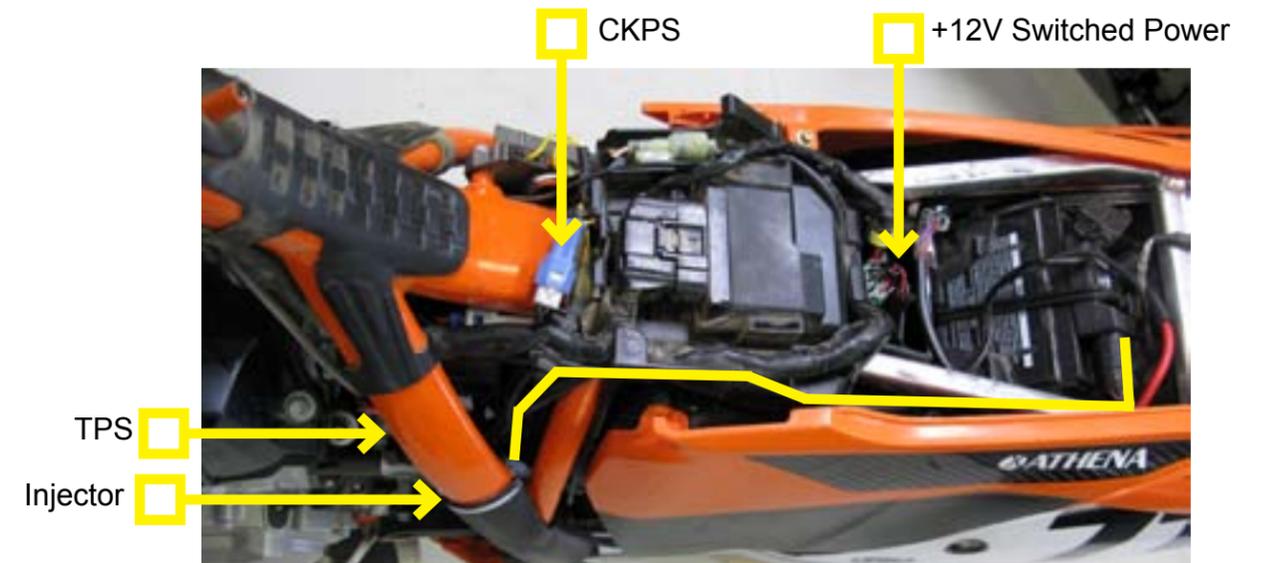


**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT**

1. Begin the installation by removing the rider seat and fuel tank.
2. Using the supplied Velcro patch and the factory battery strap, secure the Bazzaz **CONTROL UNIT** in the airbox on top of the battery.



3. Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit. Begin routing the harness forward, towards the engine on the left side of the subframe and airbox cover. Continue to route the harness between the frame and the throttle body.



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.

4. Locate the blue factory, two pin crank position sensor (CKPS) connector which can be found on top of the frame, in front of the factory ECU. Disconnect the factory CKPS connectors and install the Bazzaz **CKPS** connector in-line with the factory connectors.

Bazzaz CKPS connectors

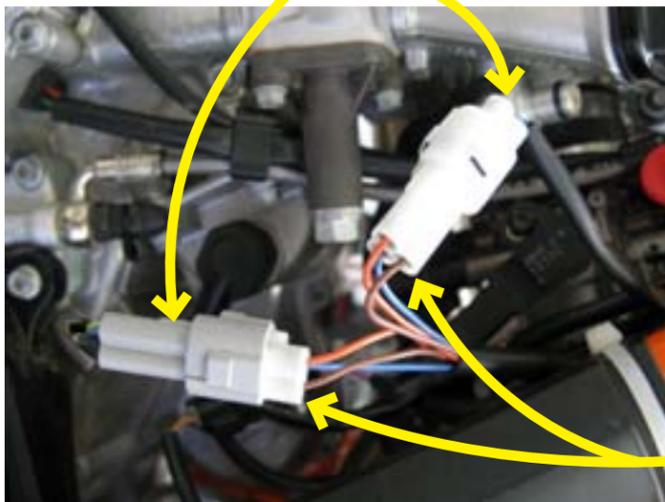
Factory CKPS connectors



5. Next, locate the factory TPS, which is found directly on the left side of the throttle body and has a three pin connector at the end of the lead. Disconnect the three pin factory TPS connectors and install the Bazzaz **TPS** connectors in-line with the factory connectors.

Factory TPS connectors

Bazzaz TPS connectors

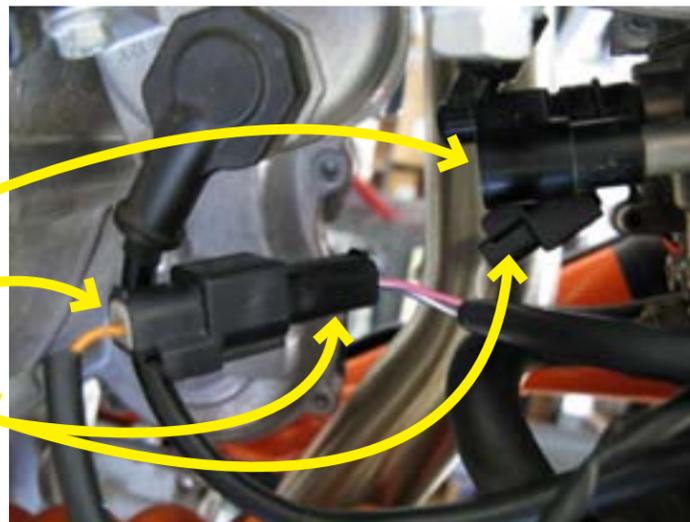


6. Locate the black factory injector connector, found at the bottom of the throttle body. Disconnect the factory injector connector from the injector. Now plug the Bazzaz **INJECTOR** connectors in-line with the factory injector and connector.

Factory injector

Factory injector connector

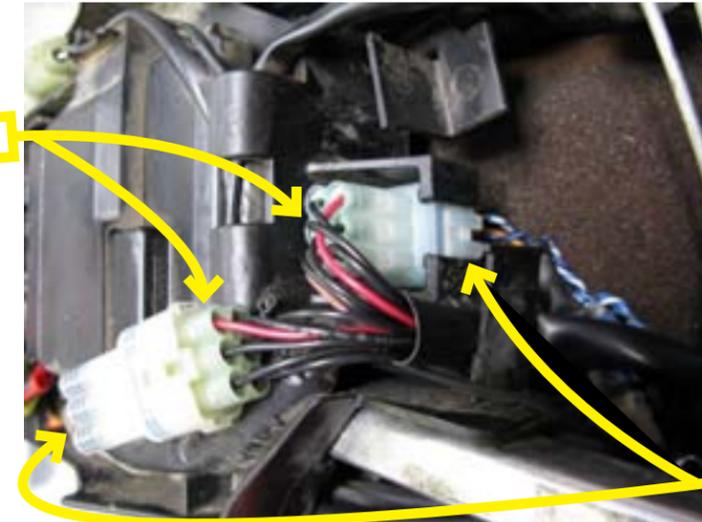
Bazzaz injector connector



7. Next, locate the factory diagnostic connectors which can be found towards the front of the airbox. Disconnect the factory diagnostic connectors and install the Bazzaz **+12V SWITCHED POWER** connectors in-line with the factory connectors.

Bazzaz +12V Switched power connectors

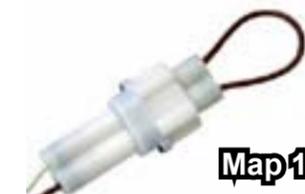
Factory diagnostic connectors



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.

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.



Map1



Map2

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]

