



## Yamaha WR450F 2012-2013

### Z-Fi MX Installation Instructions Part #'s F782



#### 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)

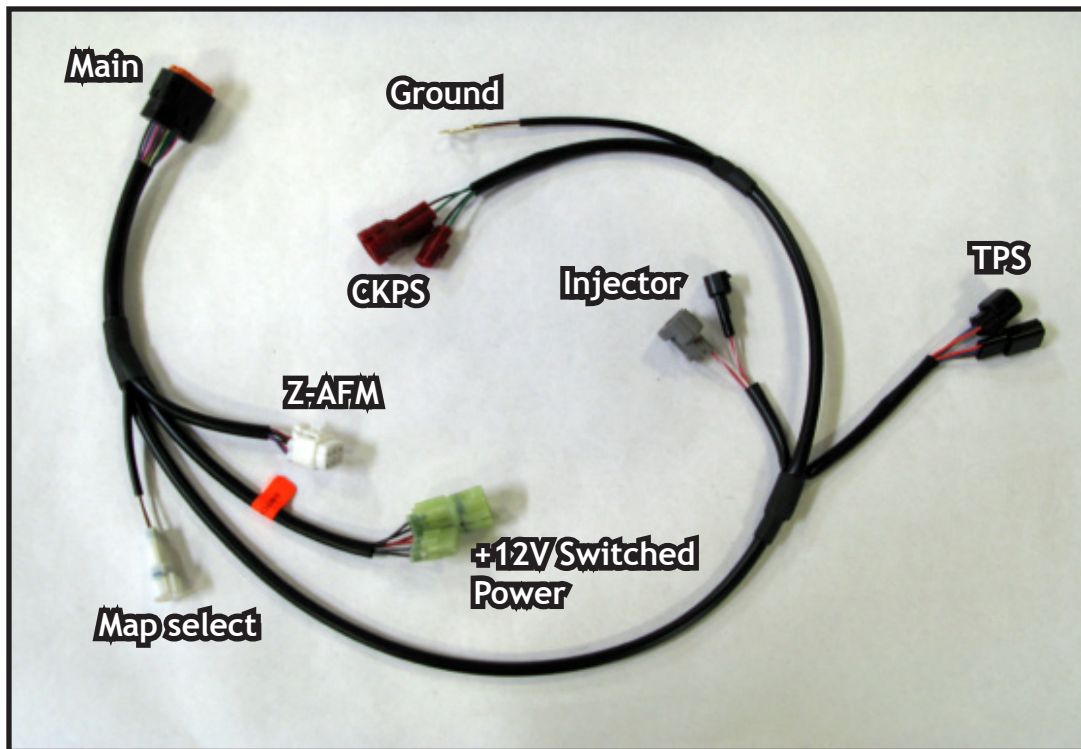
Software instructions available at [www.bazzaz.net](http://www.bazzaz.net)

**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

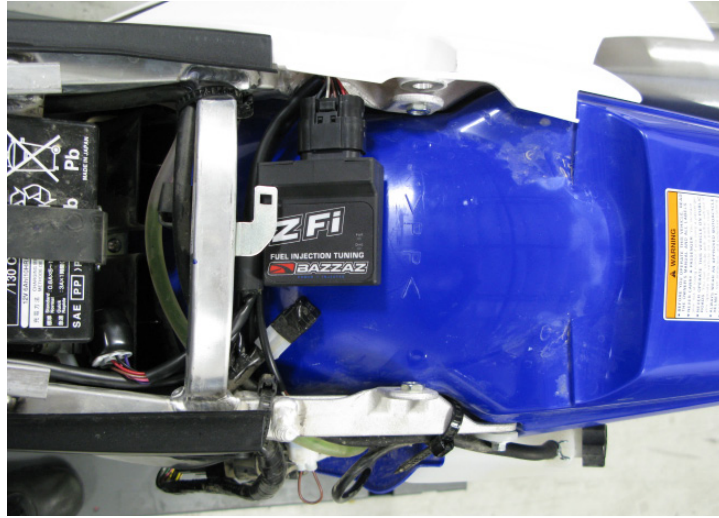


## FUEL HARNESS

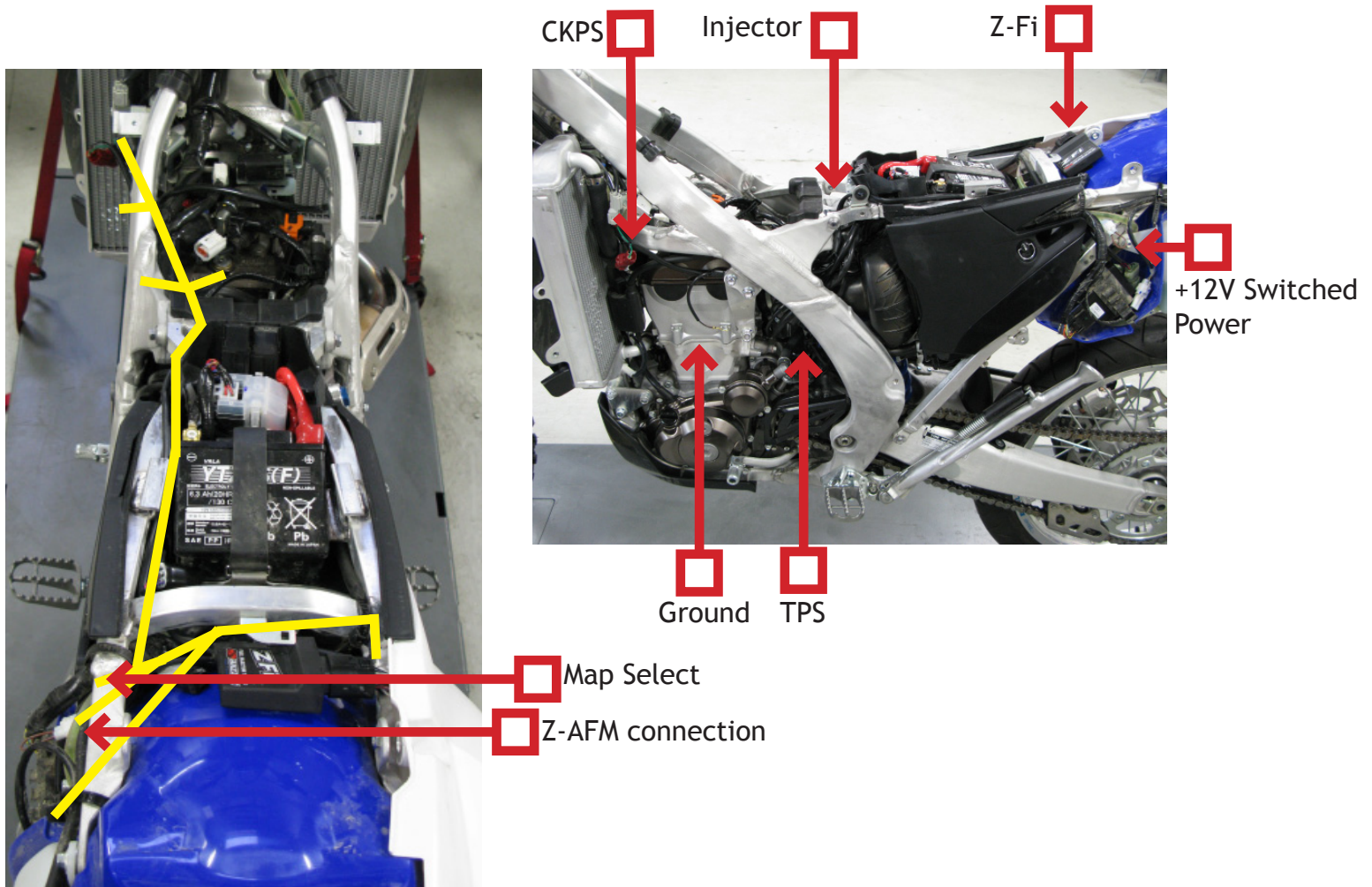
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

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

1. Start by removing the rider seat, fuel tank and left rear body panel.
2. Using the supplied Velcro patch, secure the Bazzaz CONTROL UNIT in the tail section of the bike.



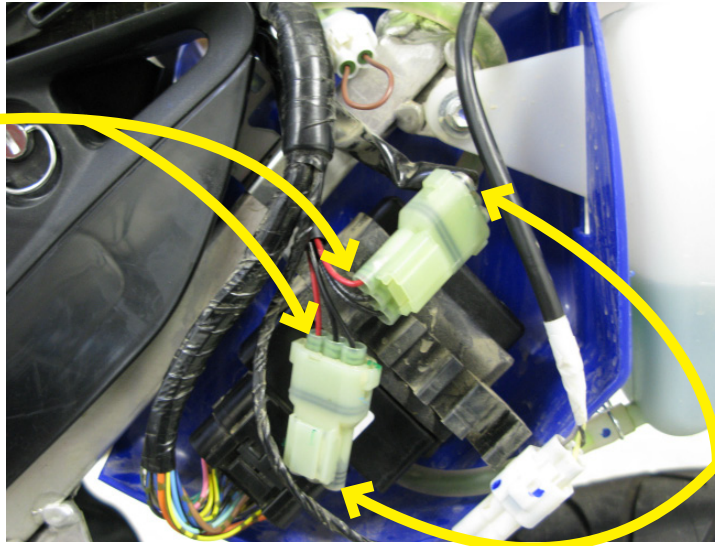
3. Connect the Bazzaz FUEL HARNESS to the control unit. Begin routing the harness forward, along the left subframe rail, over top of the intake manifold, and to the inside of the main frame rail (see image below).



Fuel harness routing shown in yellow.  
Stock component identification & location shown for reference.

4. Now route the Bazzaz power lead (labeled with orange tag) to the clear diagnostic connector located near the Factory ECU, at the left rear of the bike. Disconnect the factory connector from its mounting tab and plug the Bazzaz +12V SWITCHED POWER connectors in line with the factory connector and tab.

Bazzaz +12V switched power connectors



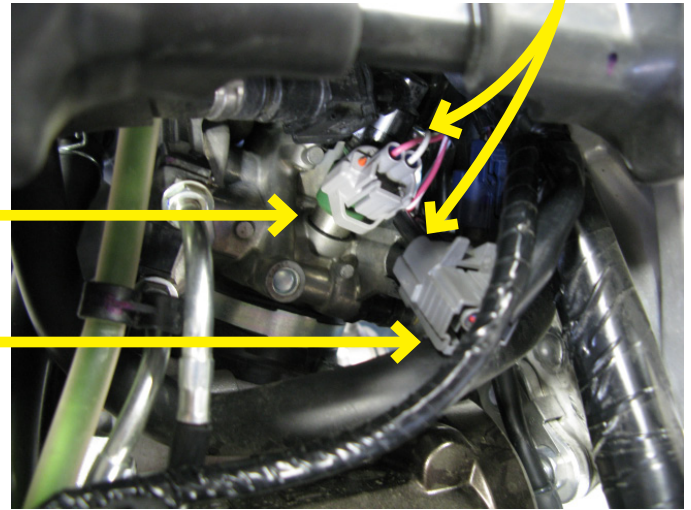
factory diagnostic connector and tab

Bazzaz injector connectors

5. Locate the factory **INJECTOR** connector, found on top of the throttle body. Disconnect the injector connector from the injector. Now install the Bazzaz injector connectors in line with the factory connector and injector.

injector

factory injector connector

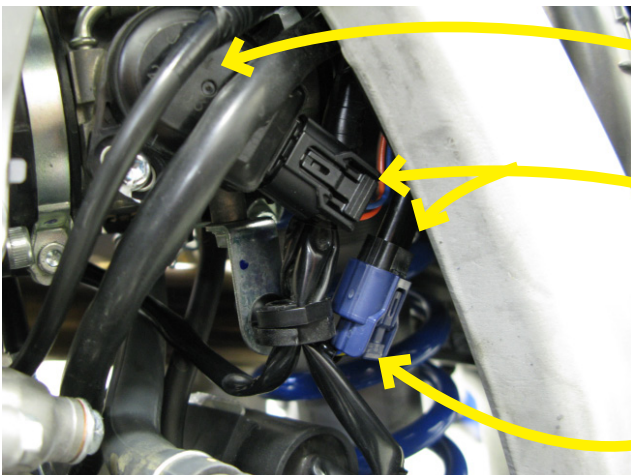


6. Locate the factory Throttle Position Sensor (TPS), which can be found on the left side of the throttle body. Disconnect the TPS connector from the sensor and connect the Bazzaz TPS connectors in line with the factory connector and sensor.

TPS

Bazzaz TPS connectors

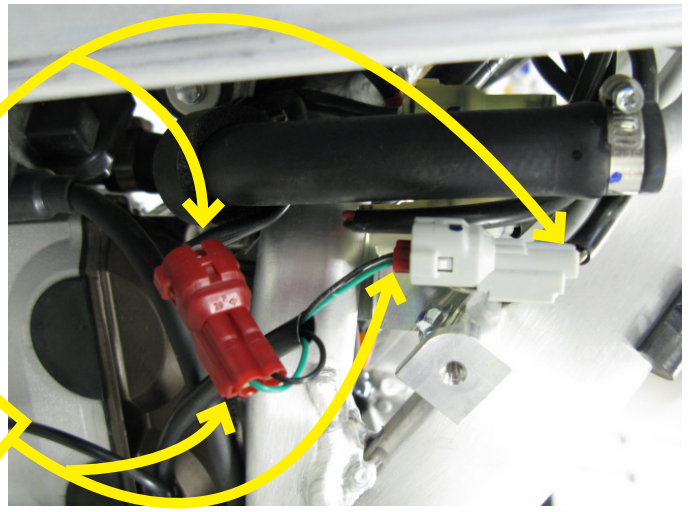
factory TPS connector



7. Route the remaining portion of the Bazzaz harness forward along the left frame rail. Locate the gray factory CKPS connectors, found at the front left of the bike. Connect the Bazzaz CKPS connectors in line with the factory connectors.

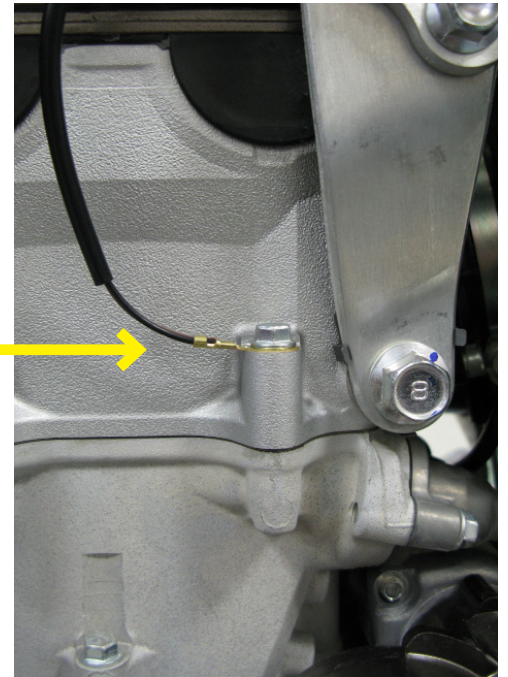
factory CKPS connectors

Bazzaz CKPS connectors

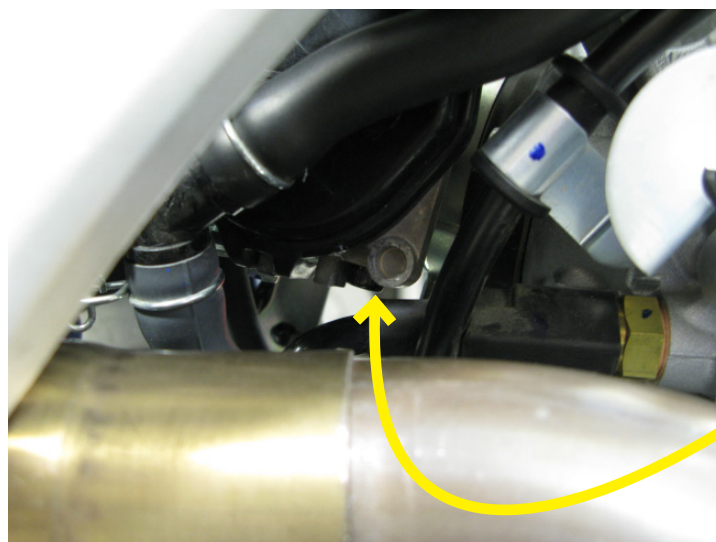


8. Now locate a suitable chassis ground, and secure the Bazzaz GROUND lug.

Bazzaz ground



9. The Bazzaz kit comes with a M5 allen head screw that will replace the stock THROTTLE STOP SCREW. The stock throttle stop has a T27 safety torx head and is located on the bottom right side of the throttle body. Completely remove the stock throttle stop screw and install the supplied replacement screw in its place.



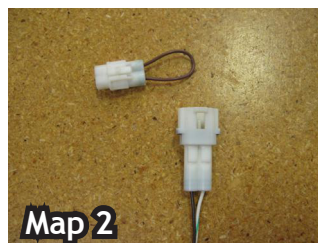
throttle stop screw

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.

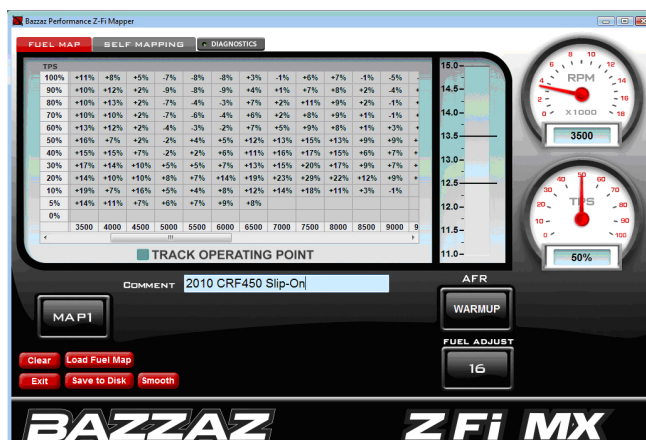
The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected, the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

**Note:** Upon installing the system, verify you have selected the proper map to correspond with your WR450F. The controller supplied with this kit has been pre-programmed with two enhanced fuel maps. Map 1 is intended for use with a factory ECU using the kit throttle stop screw; Map 2 is for use with the kit ECU using the kit throttle stop screw.

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]

