



## Kawasaki ZX10R 2004-2005

### Z-Fi Installation Instructions

Part #'s F447



#### **Parts List:**

Z-Fi Control Unit

Fuel Harness

Scotchlok (3)

Cable Ties

Velcro

USB Cable

Swingarm Stickers

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

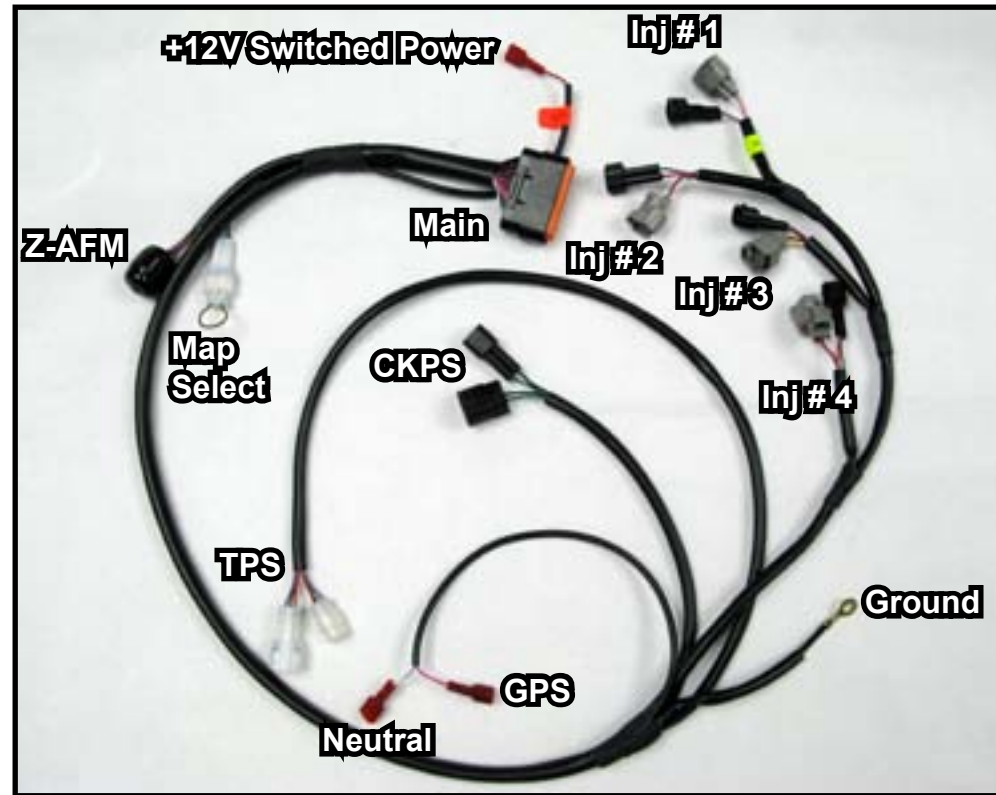
Software instructions available at [bazzaz.net](http://bazzaz.net)

**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

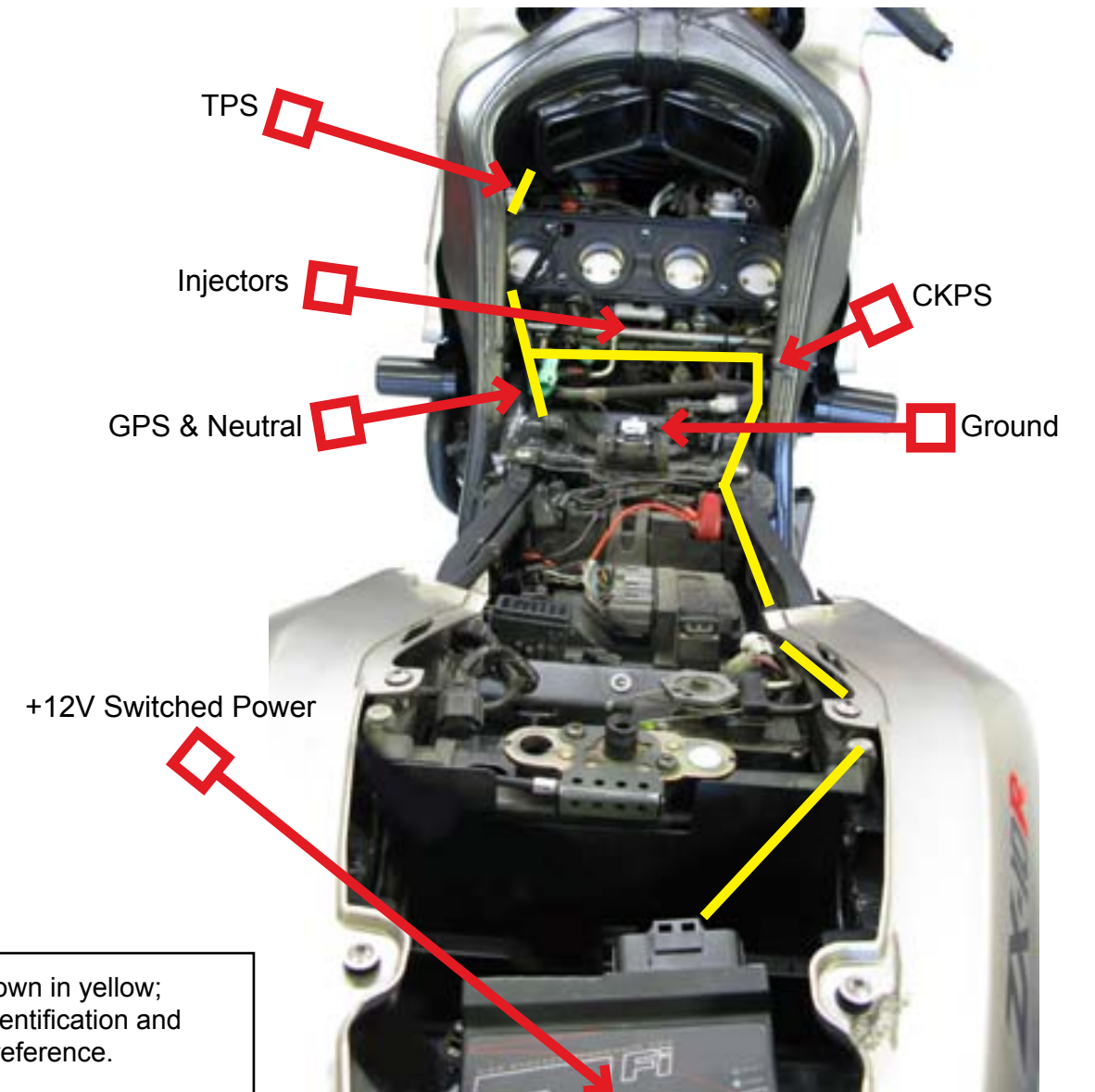
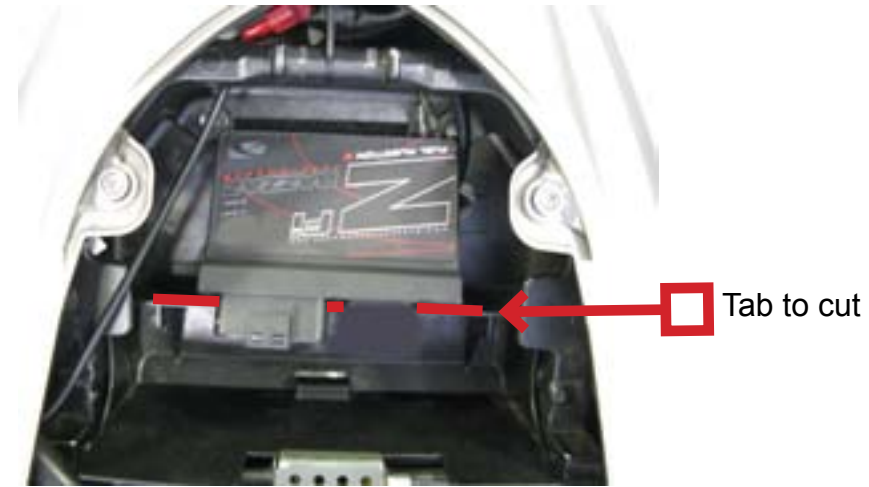
## BAZZAZ HARNESS CONNECTOR IDENTIFICATION



**FUEL HARNESS**

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

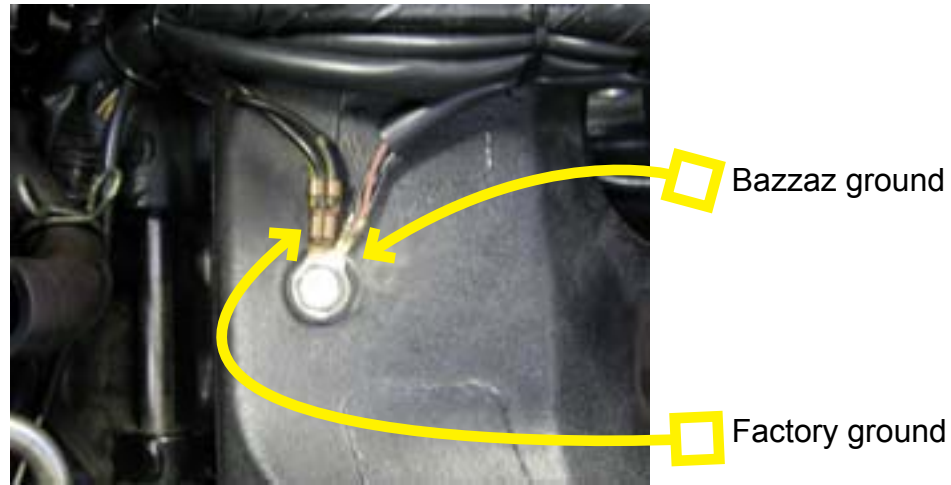
1. Begin the installation by removing the seats, fuel tank and airbox.
2. Place the **CONTROL UNIT** in the back of the tail section. You will need to cut the plastic dividing tab on the under tray so that the control unit will lay flat. Secure the control unit with the Velcro supplied in kit.



Harness routing shown in yellow;  
stock component identification and  
location shown for reference.

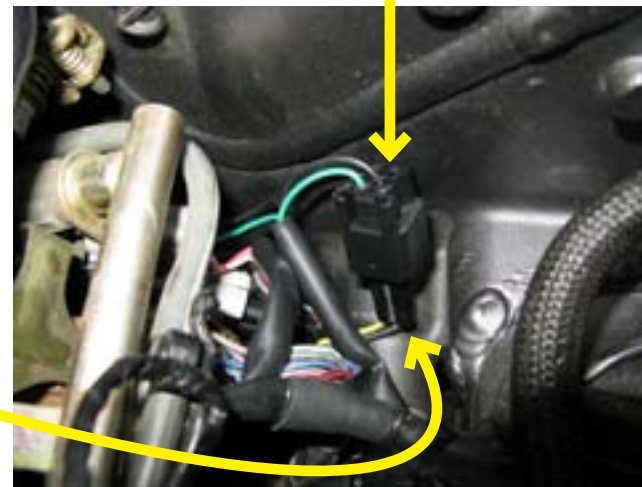
Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

3. Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit and begin to route the harness towards the engine compartment, on the right side of the bike. Locate the factory ground found on the frame. Remove the 10mm bolt with the factory grounds and install the Bazzaz **GROUND** lug. Reinstall the 10mm bolt.

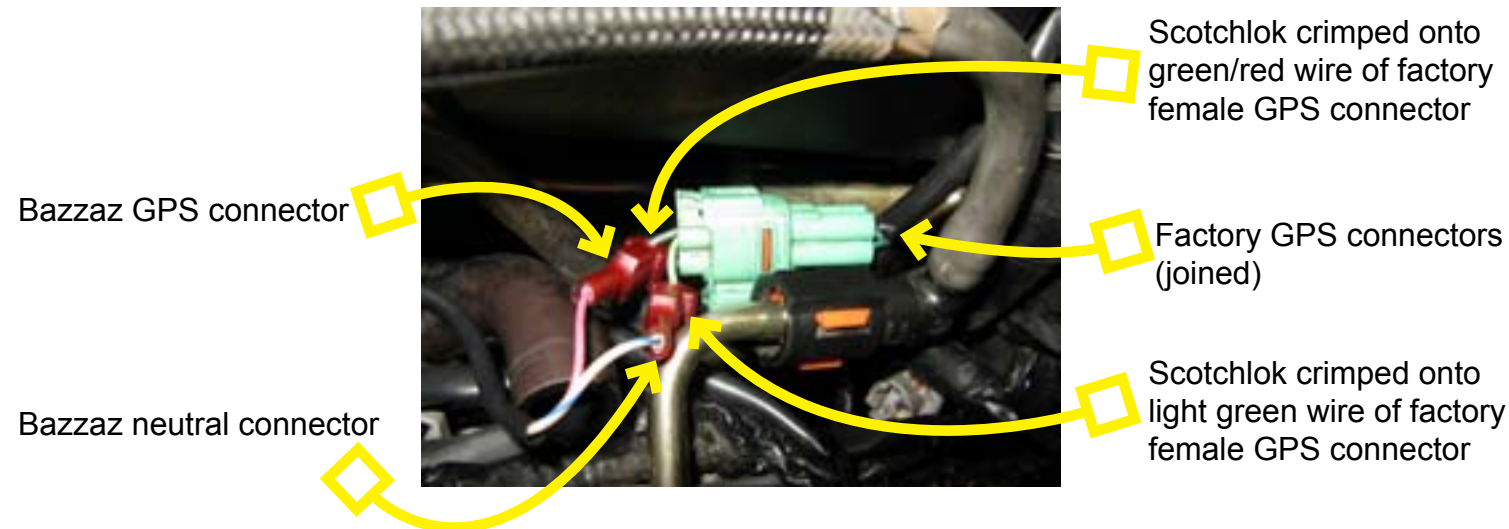


4. Locate the factory CKPS connectors, which can be found on the right side of the bike, beneath the fuel rail and near injector # 4. Disconnect the factory CKPS connectors and connect the Bazzaz **CKPS** connectors in-line with the factory connectors.

Factory CKPS connector (other connector is hidden under fuel rail and injector # 4)



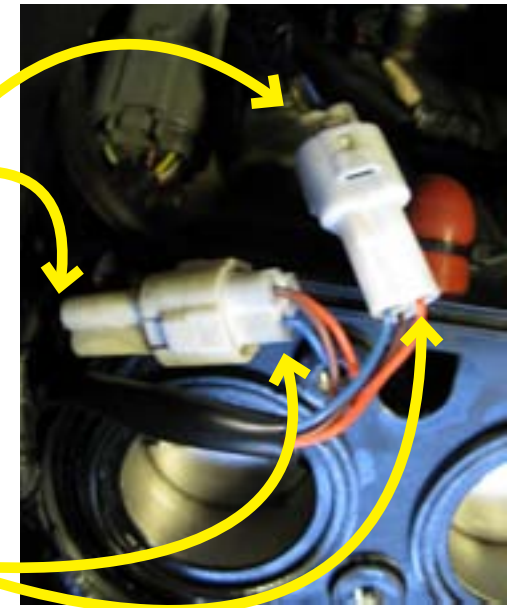
5. Next, begin to route the gear and neutral lead along the fuel rail from right to left. Locate the four-pin, green gear position sensor (GPS) connectors. Separate the green/red wire of the female connector from the rest. Now crimp a supplied Scotchlok onto the **green/red** wire and insert the Bazzaz **GPS** connector (has pink wire) into the Scotchlok. Crimp a second Scotchlok onto the **light green** wire of the same connector and insert the Bazzaz **NEUTRAL** connector (has white/blue wire) into the Scotchlok.



6. Locate the factory TPS connectors which can be found on the left side of the bike near the valve cover. Disconnect the factory TPS connectors and install the Bazzaz **TPS** connectors in-line with the factory connectors.

Factory TPS connectors

Bazzaz TPS connectors



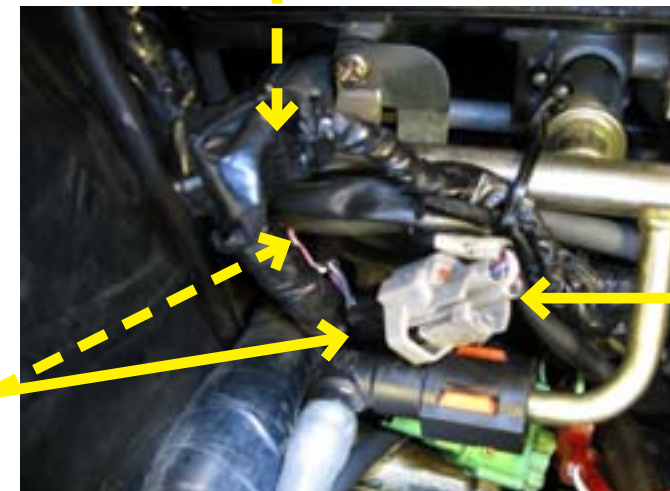
7. Begin to route the Bazzaz injector lead from right to left along the fuel rail. Now, from right to left, disconnect each factory injector connector from the injectors. Connect each corresponding Bazzaz **INJECTOR** connector in-line with the factory injector and connector. Injector #1 is labeled on the Bazzaz harness and connects with the injector at the far left side of the bike.

Factory injector #1 (hidden in photo)

Factory injector #1 photo is used as an example. Follow same procedure for all injectors.

Bazzaz injector #1 connectors

Factory injector #1 connector

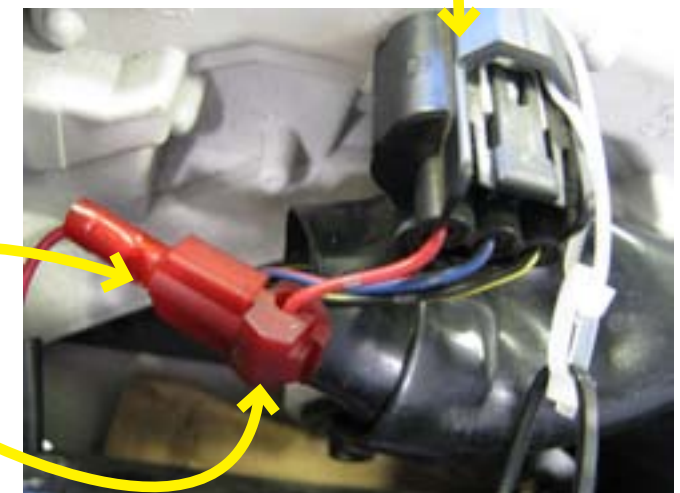


8. To finish the installation of the fuel harness, locate the factory tail light connector which can be found at the tail light itself. Using the supplied Scotchlok, crimp onto the **red** wire of the tail light connector and insert the Bazzaz **+12V SWITCHED POWER** connector into the Scotchlok.

Bazzaz +12V switched power connector

Scotchlok crimped onto red wire of factory tail light connector

Factory tail light connector



9. To complete the installation, use the supplied cable ties to secure the harnesses 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](http://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]

