



Kawasaki Ninja 650 2012-2013
Kawasaki ER6N 2012-2013

Z-Fi Installation Instructions
Part # F446



Parts List:

Z-Fi Control Unit
Fuel Harness
Scotchlok (2)
Cable Ties
USB Cable

Swingarm Stickers

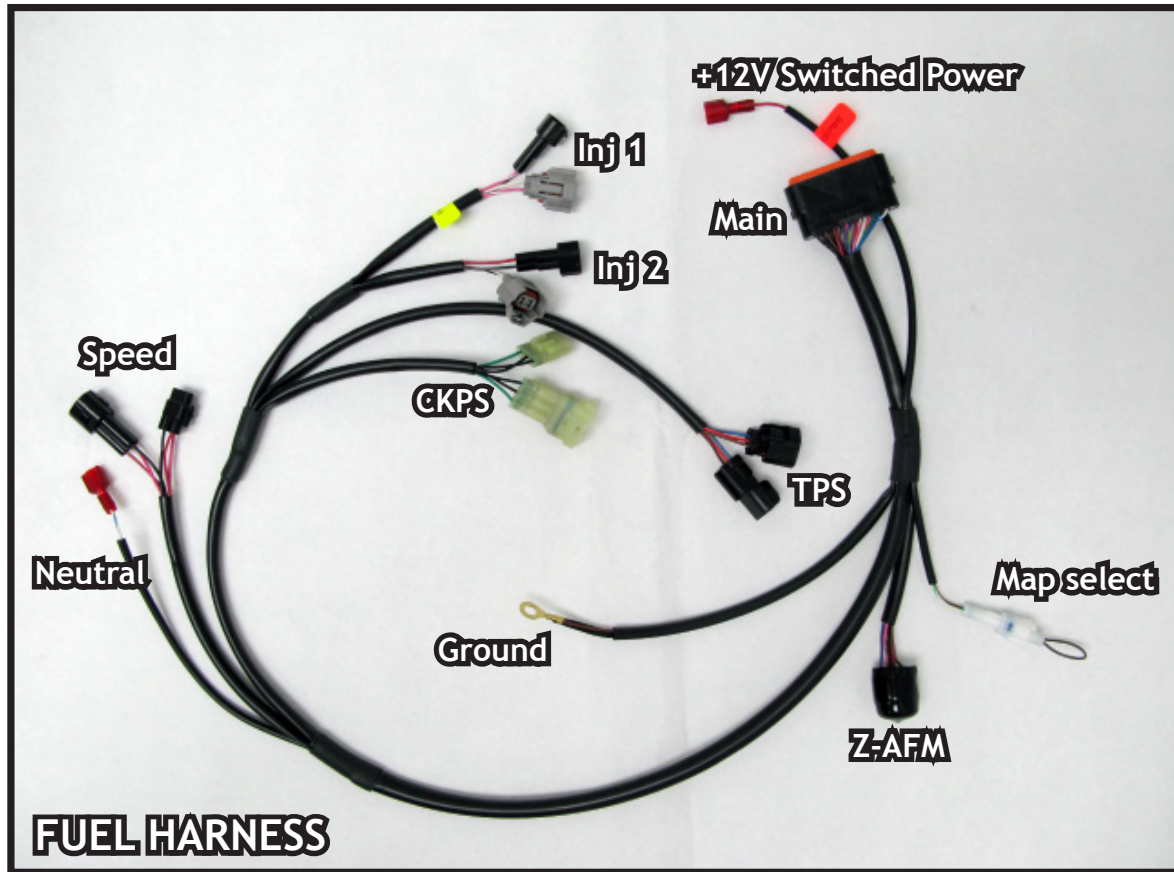
Download Z-Fi Mapper Software at bazzaz.net
Software instructions available at bazzaz.net

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

Contact Bazzaz tech support at 909-597-8300 for questions

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

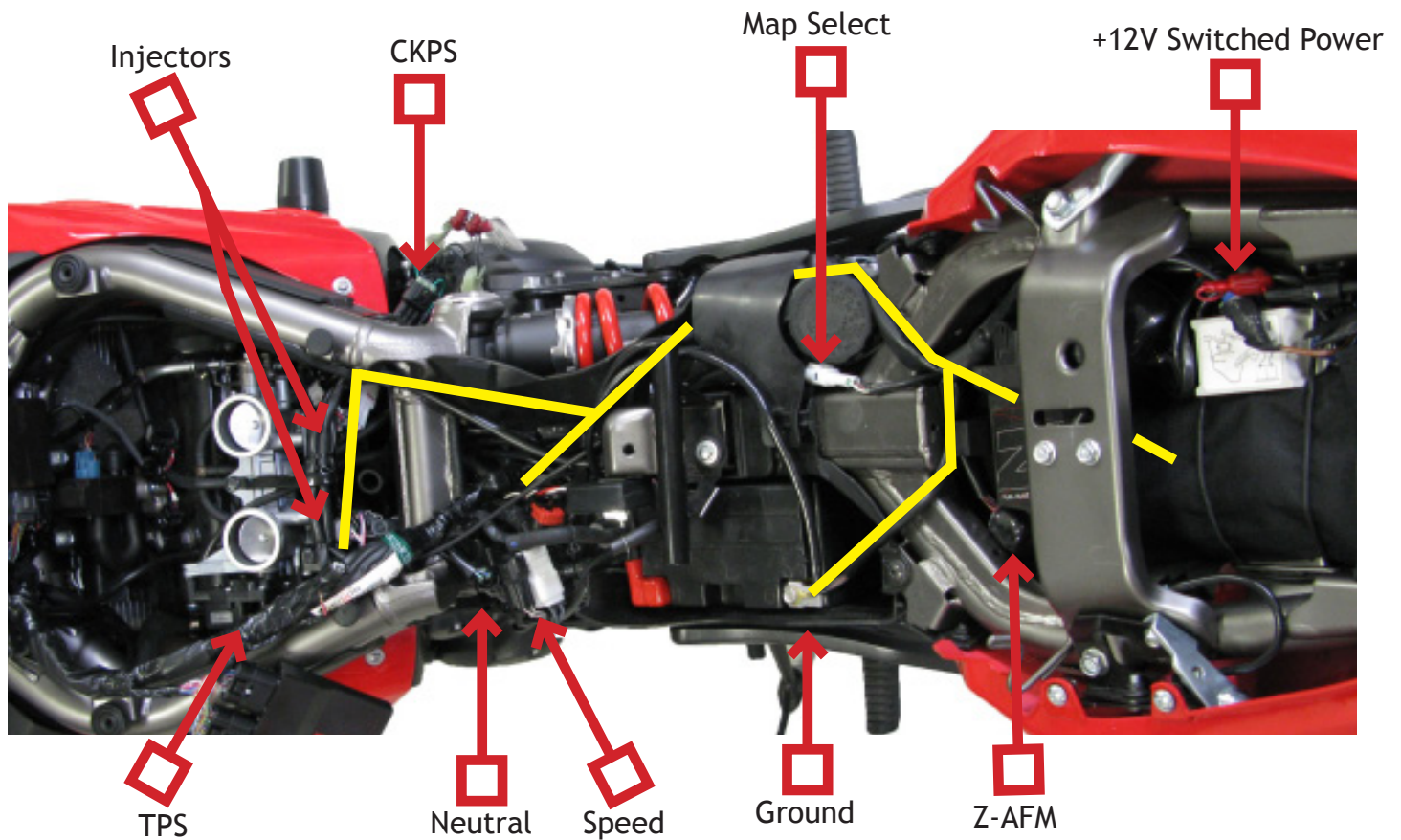


Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

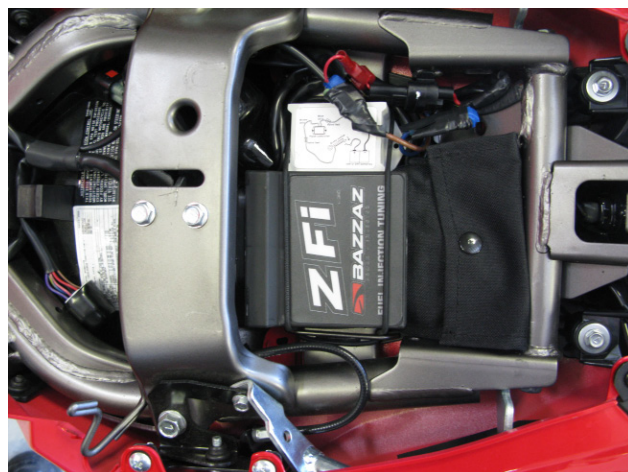
WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

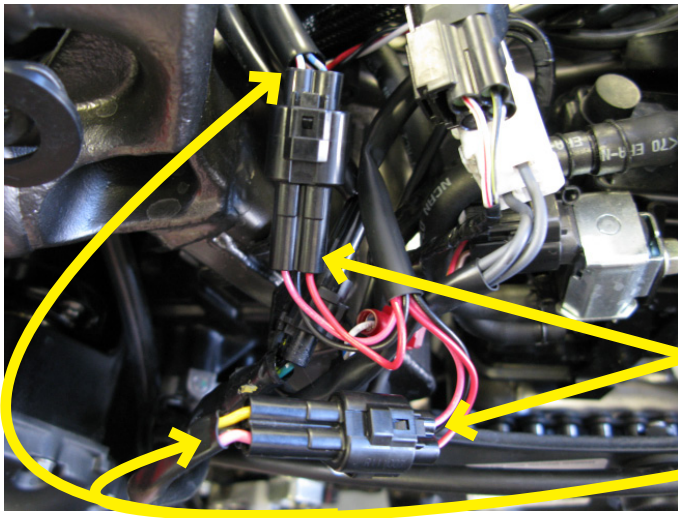
1. Begin the installation by removing the rider and passenger seat, fuel tank, and air box.

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



2. Mount the **CONTROL UNIT** on top of the tool kit using the tool kit straps. Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit.





3. Route the harness down the right side of the bike towards the engine. Locate the factory three-pin, black speed connectors which can be found near the factory fuel pump connector (on the left side of the bike). Disconnect the factory speed connectors and connect the Bazzaz **SPEED** connectors in-line with the factory connectors.

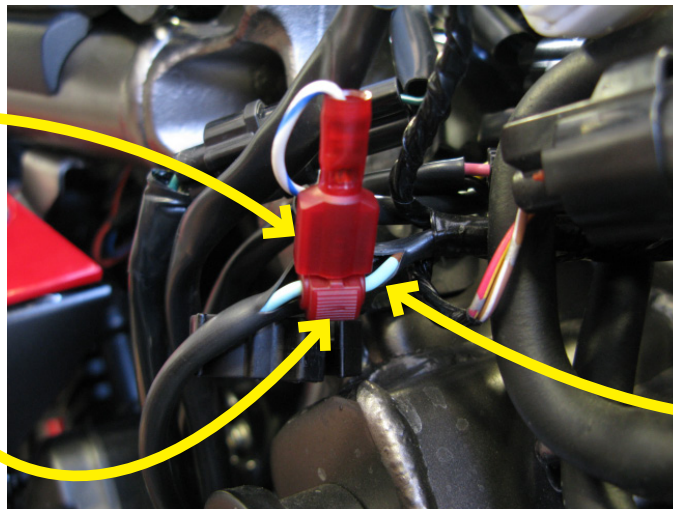
Bazzaz speed connectors

Factory speed connectors

4. Locate the factory neutral sensor wire (light green), which can be found by removing the front sprocket cover (wire is beneath the front sprocket). Begin to trace the wire up to where it joins in with the main harness near the factory speed connector. You will need to cut back a small portion of the main harness sheathing to expose the light green wire. Once exposed, use a supplied scotchlok and crimp onto the **light green** wire. Now insert the Bazzaz **NEUTRAL** connector into the scotchlok.

Bazzaz neutral connector

Scotchlok crimped onto the **light green** neutral sensor wire

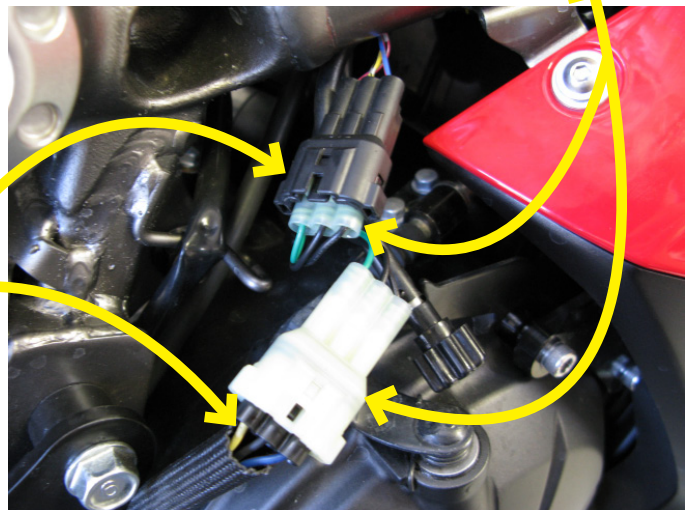


Factory neutral sensor wire

5. Continue to route the remaining harness towards the engine. Locate the factory Crank Position Sensor (CKPS) connectors which can be found on the right side of the bike, near the idle adjustment knob. Disconnect the factory CKPS connectors and connect the Bazzaz **CKPS** connectors in-line with the factory connectors.

Bazzaz CKPS connectors

Factory CKPS connectors

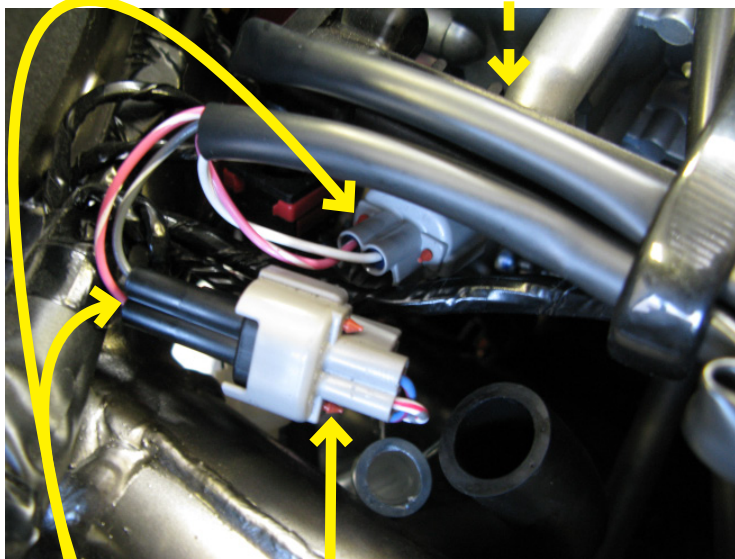



6. Route the Bazzaz injector connectors to the factory injectors which can be found directly beneath the factory fuel rail.

Disconnect the factory injector connectors from the left and right injectors. Plug the Bazzaz **INJECTOR** connectors in-line with the respective factory injector and connector. The Bazzaz injector connector with the pink/white wire will go to the left injector (injector/cylinder #1).

The Bazzaz connectors are labeled “left” and “right”.

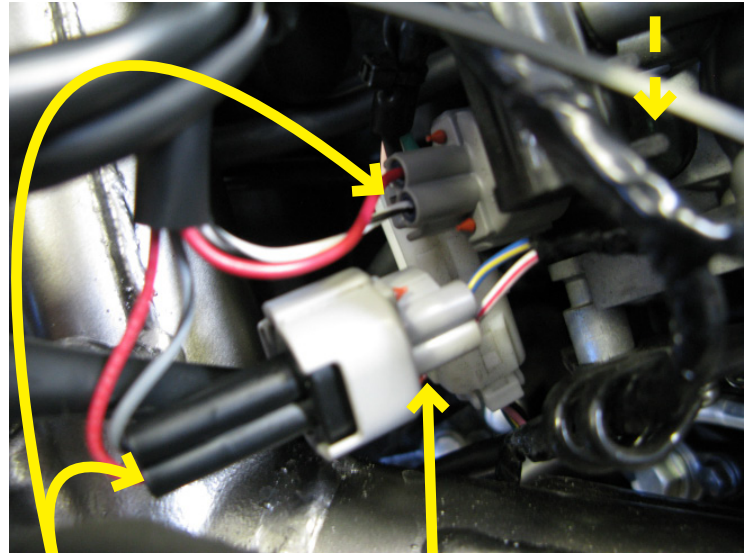
Injector #1 (hidden in photo) 




 Bazzaz injector connectors

 Factory injector connector

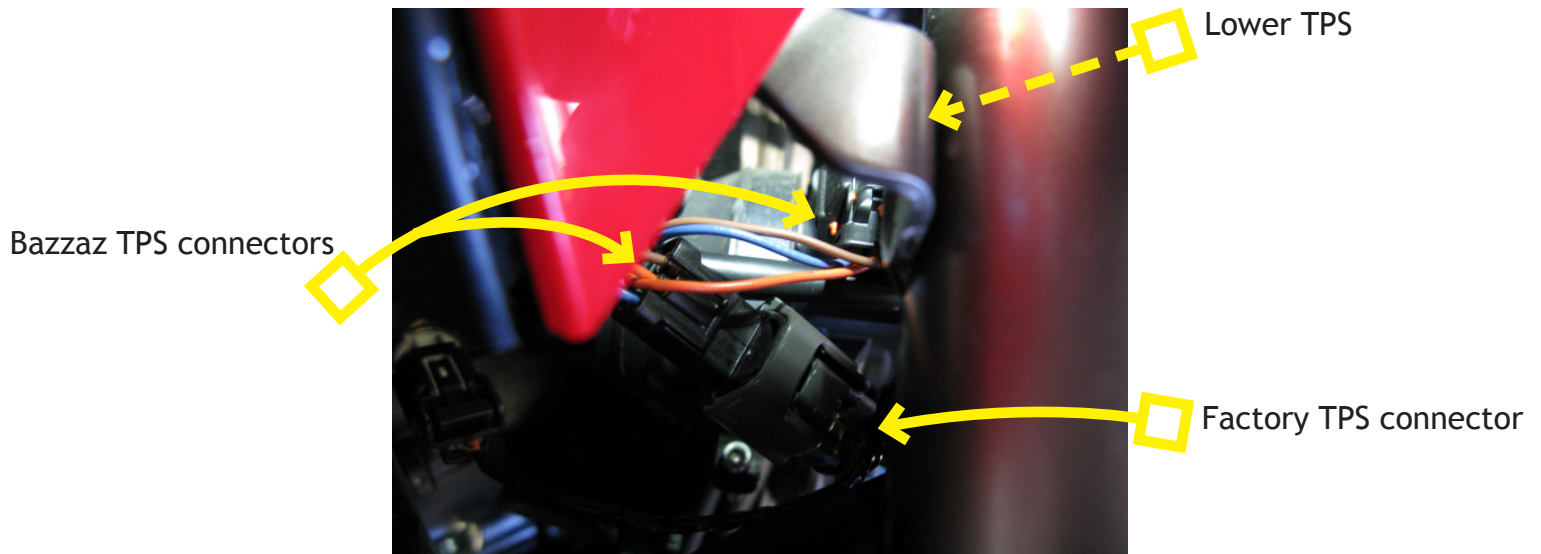
Injector #2 (hidden in photo) 



 Bazzaz injector connectors

 Factory injector connector

7. Now, locate the lower factory Throttle Position Sensor (TPS) which can be found directly on the left side of the throttle bodies. Disconnect the factory TPS connector from the sensor and connect the Bazzaz TPS connectors in-line with the factory sensor and connector.



Bazzaz TPS connectors 

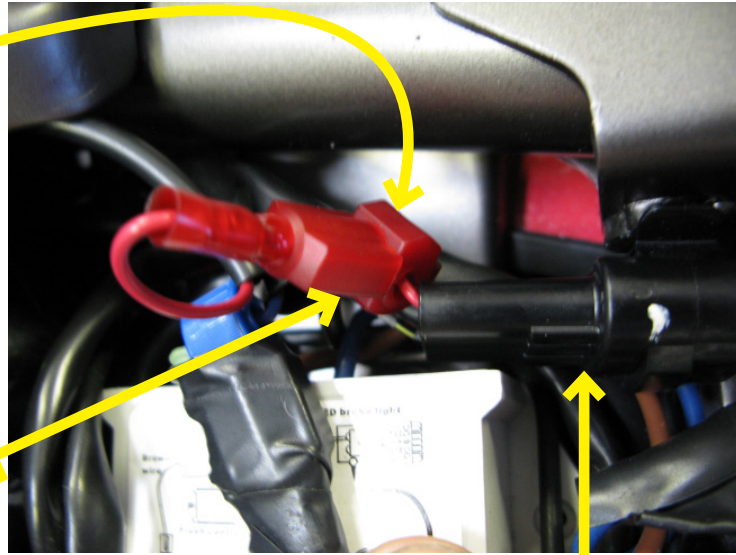
 Lower TPS

 Factory TPS connector

8. Locate the factory tail light connector which can be found in the tail section, underneath the passenger seat. Cut back the sheathing of the connector to expose the red wire of the factory tail light connector. Now crimp a supplied Scotchlok onto the exposed **red** wire and insert the Bazzaz + 12V SWITCHED POWER connector into the Scotchlok.

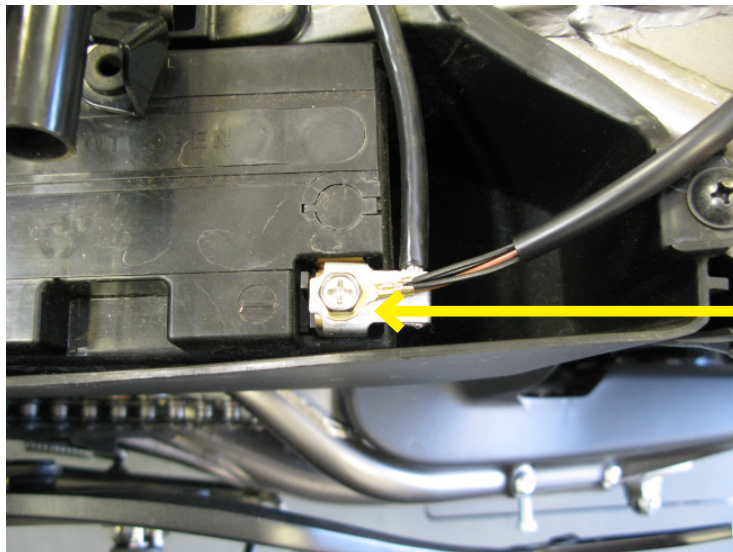
Scotchlok crimped onto the **red** wire of the factory tail light connector

Bazzaz +12V switched power connector



Factory tail light connector

9. Next, Install the Bazzaz **GROUND LUG** to the negative side of the battery.



Bazzaz ground

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]

