



## Triumph Speed Triple 1050 2007-2010

### Z-Fi Installation Instructions Part # F1590



#### Parts List:

Z-Fi Control Unit

Fuel Harness

O2 Eliminator

Scotchlok (2)

Cable Ties

USB Cable

Swingarm Stickers

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

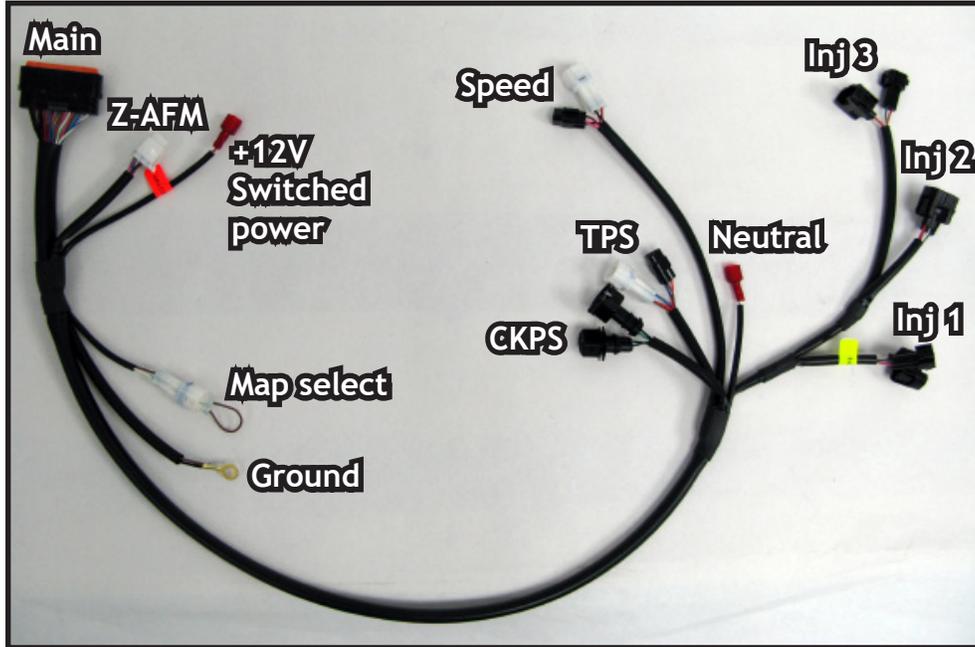
Software instructions available at [www.bazzaz.net](http://www.bazzaz.net)

**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

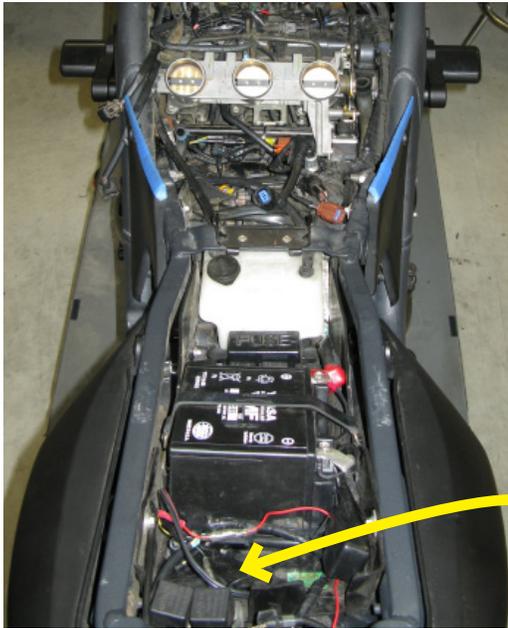


### FUEL HARNESS

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.

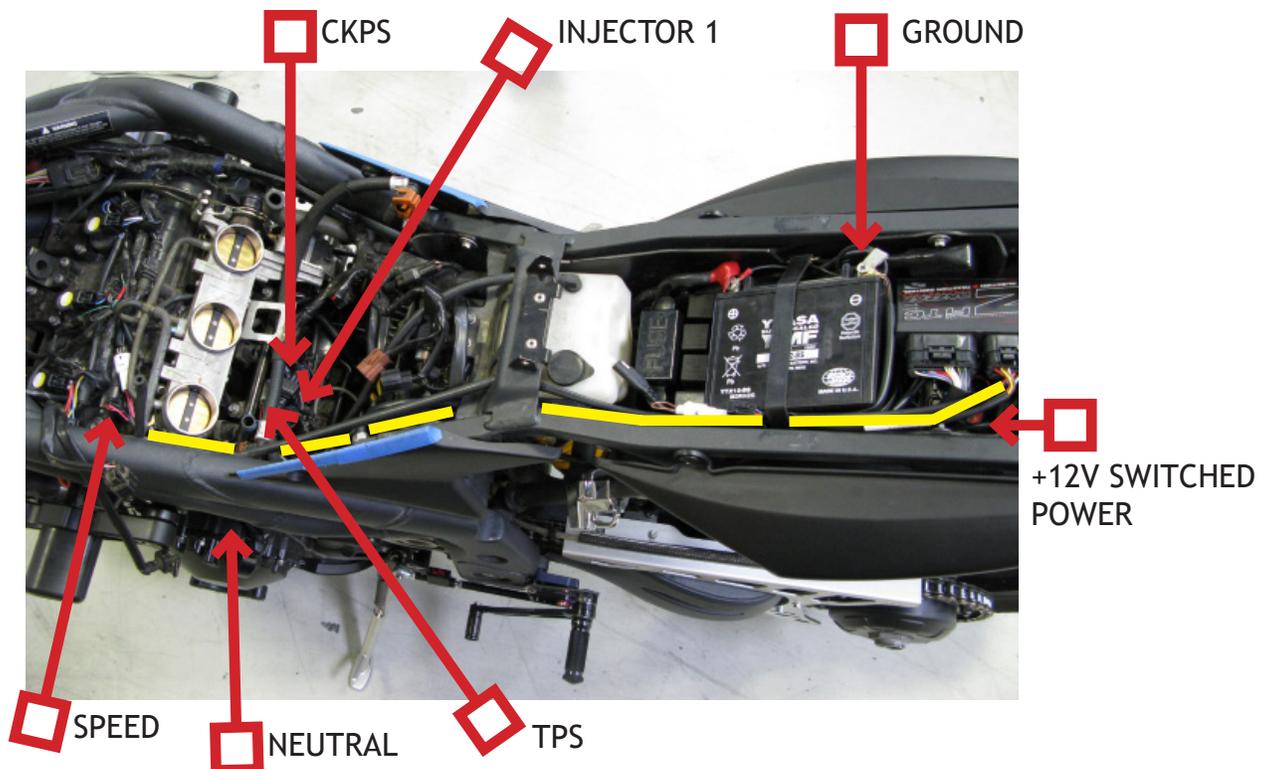
**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT**

1. Begin the installation by removing the rider seat and tank.
2. The **BAZZAZ CONTROL UNIT** will be placed in the tail section of the bike behind the battery. **BEFORE** doing this, you must cut the right rear tab on the plastic under tray in order for the unit to fit properly and to clear the rider seat.



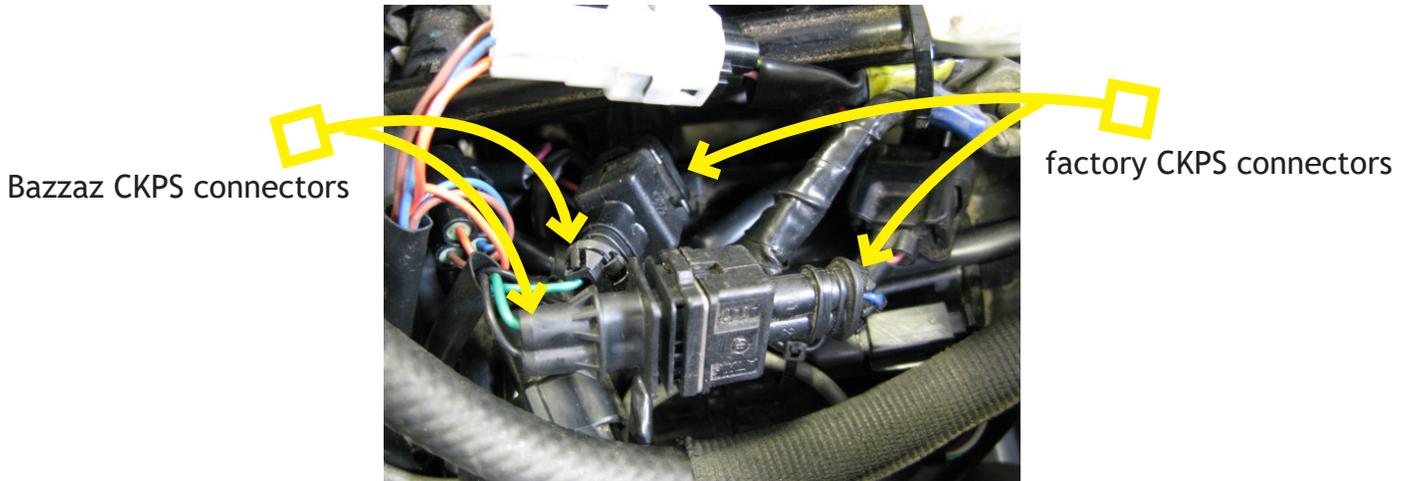
tab that will need to be cut

3. Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit. Begin routing the harness back, towards the engine, between the battery and the under tray, on the left hand side. Next, route the harness between the coolant reservoir and the sub frame. To do so, the coolant reservoir has two bolts that must be taken out and moved over to the right so that the harness will fit down the left hand side. Once the harness is routed correctly, reinstall the two bolts that were removed.

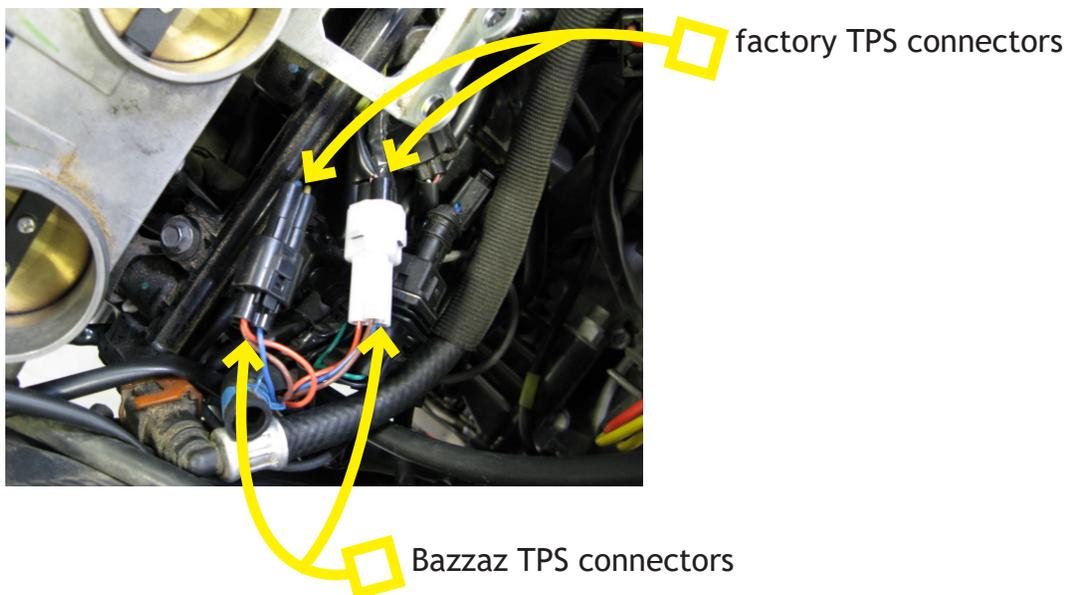


Fuel harness routing shown in yellow; stock component identification and location shown for reference.

4. Locate the black, factory **CKPS** connectors, found on the left side of the engine compartment and beneath the fuel rail. Disconnect the factory connectors and plug the Bazzaz CKPS connectors inline with the factory connectors.

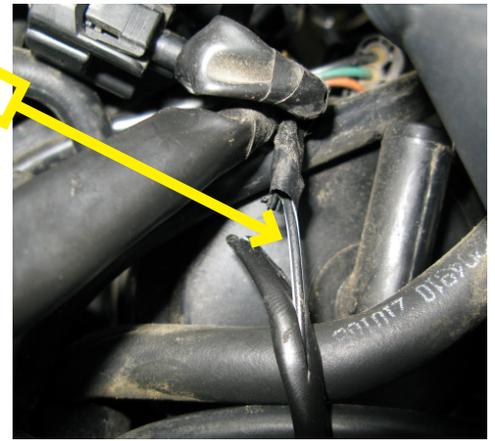


5. Now locate the black, factory Throttle Position Sensor (**TPS**) connectors, found in the approximate location as the CKPS connectors. Disconnect the factory TPS connectors and install the Bazzaz TPS connectors inline with the factory connectors.



6. Locate the factory **NEUTRAL SENSOR** which can be found near the front sprocket. Follow the harness lead of the sensor up and to where it meets the main harness. Make a small cut in the sheathing, just before the main harness, to expose the wiring. Crimp a supplied scotchlok onto the exposed **black/white** wire and insert the Bazzaz neutral connector into the scotchlok.

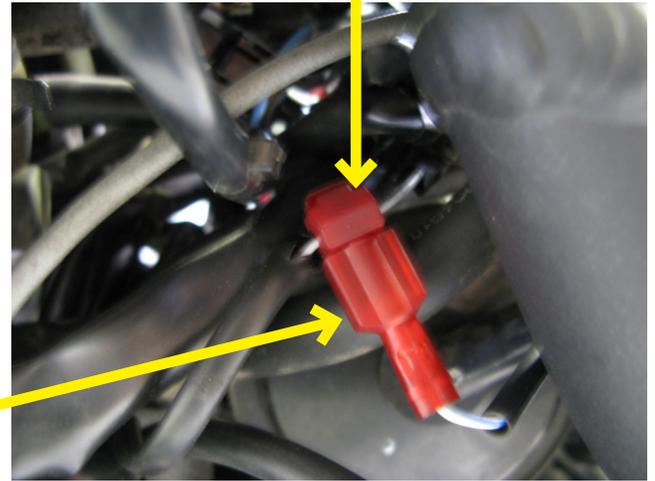
exposed factory black/white wire



factory neutral sensor



scotchlok crimped onto the factory black/white wire



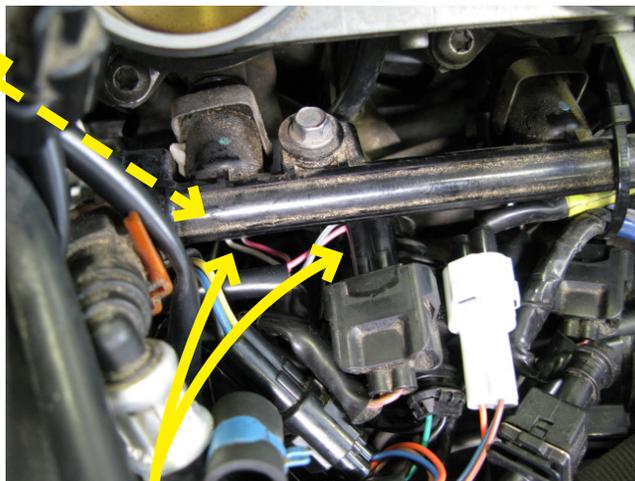
Bazzaz neutral connector



7. Now you will route the fuel harness along the fuel rail and install the Bazzaz injector connectors from left to right.

Unplug the factory connector from each **INJECTOR**. Plug the Bazzaz connectors inline between the factory injector and connector, starting with the number one injector connector of the Bazzaz harness having the pink/white wire.

injector #1  
(hidden by fuel rail)



#1 injector shown in photo  
(follow the same procedure  
for injectors 2 & 3)

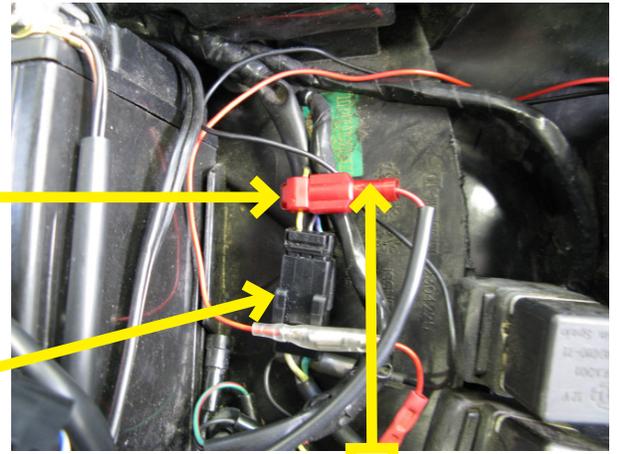
Bazzaz injector connectors



8. Locate the black, factory tail light connector in the tail section of the bike. Crimp a supplied scotchlok onto the **yellow** wire of the factory connector and insert the Bazzaz +12V SWITCHED POWER connector into the scotchlok.

scotchlok crimped onto the yellow wire of the factory tail light connector

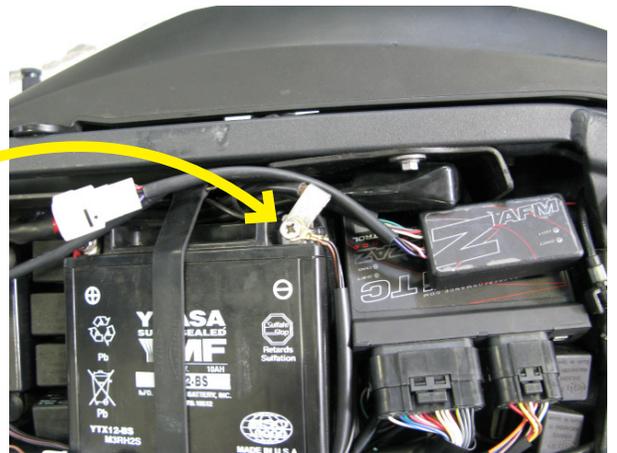
factory tail light connector



Bazzaz +12V switched power connector

9. Now install the Bazzaz **GROUND** lug onto the negative terminal on the battery.

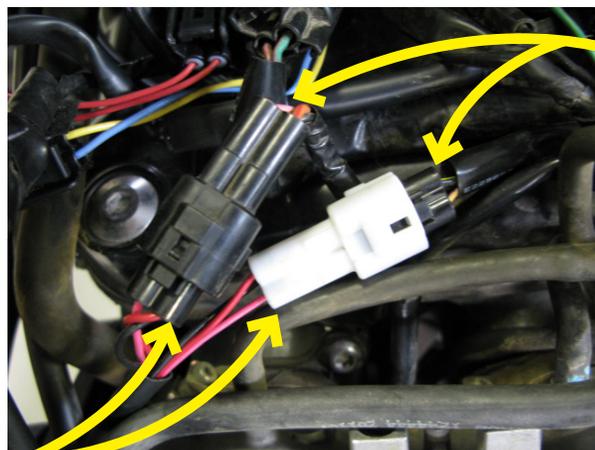
Bazzaz ground



10. Remove the airbox in order to gain access to the factory speed connectors.

11. Locate the factory, three pin **SPEED** connectors (black connectors), which can be found between the throttle bodies and valve cover. Route the lead with the Bazzaz speed connectors up the left side of the throttle bodies and plug the Bazzaz speed connectors inline with the factory speed connectors.

Bazzaz speed connectors



factory speed connectors

12. Next you will need to disconnect the factory O2 sensor. The O2 sensor connector can easily be found by tracing the O2 sensor wire up from where the sensor is mounted in the exhaust. This sensor will no longer be used; the wires should be neatly secured away from any moving components, or the sensor may be removed and the remaining port/bung in the exhaust can then be plugged. Install the Bazzaz O2 ELIMINATOR in place of the factory sensor connector.



Bazzaz O2 eliminator

13. 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 [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]



