



2007-2009 Yamaha FZ6 Z-Fi TC Installation Instructions  
P/N T790S, T790R

In order to fit a Bazzaz QS Reverse kit, aftermarket rearsets must be used

**WARNING!**

**USE ONLY IN RACE OR OTHER CLOSED COURSE APPLICATIONS AND NEVER ON PUBLIC ROADS**

**Z-Fi products do not meet California CARB highway requirements**

**Parts List:**

Z-Fi TC Control Unit  
Fuel Harness  
Coil Harness  
Shift Switch & Mounting Hardware  
USB Cable  
Cable Ties (7)  
Scotchlok (2)  
Swingarm Stickers

**[Download Z-Fi Mapper Software and its instructions from website](#)**

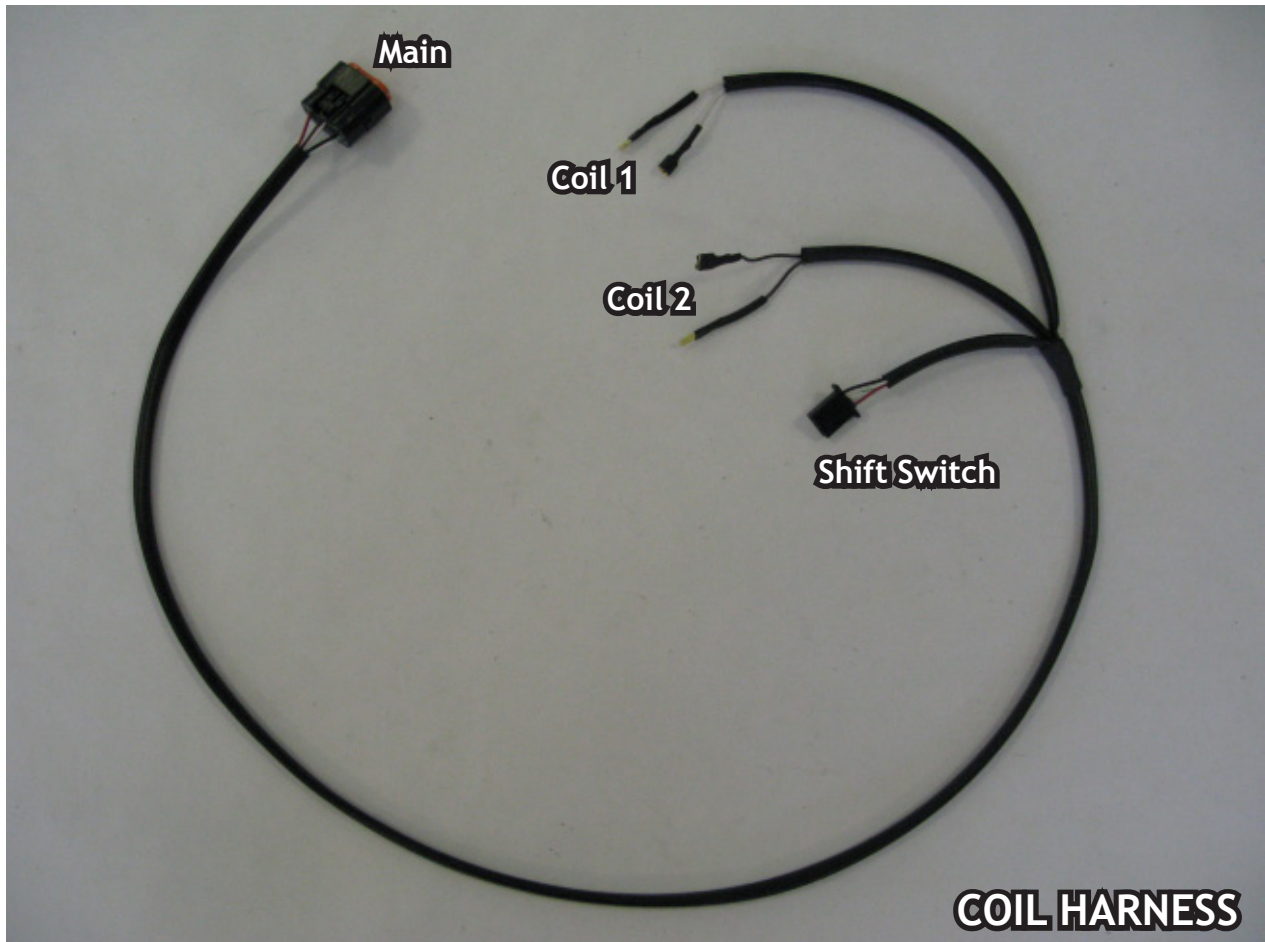
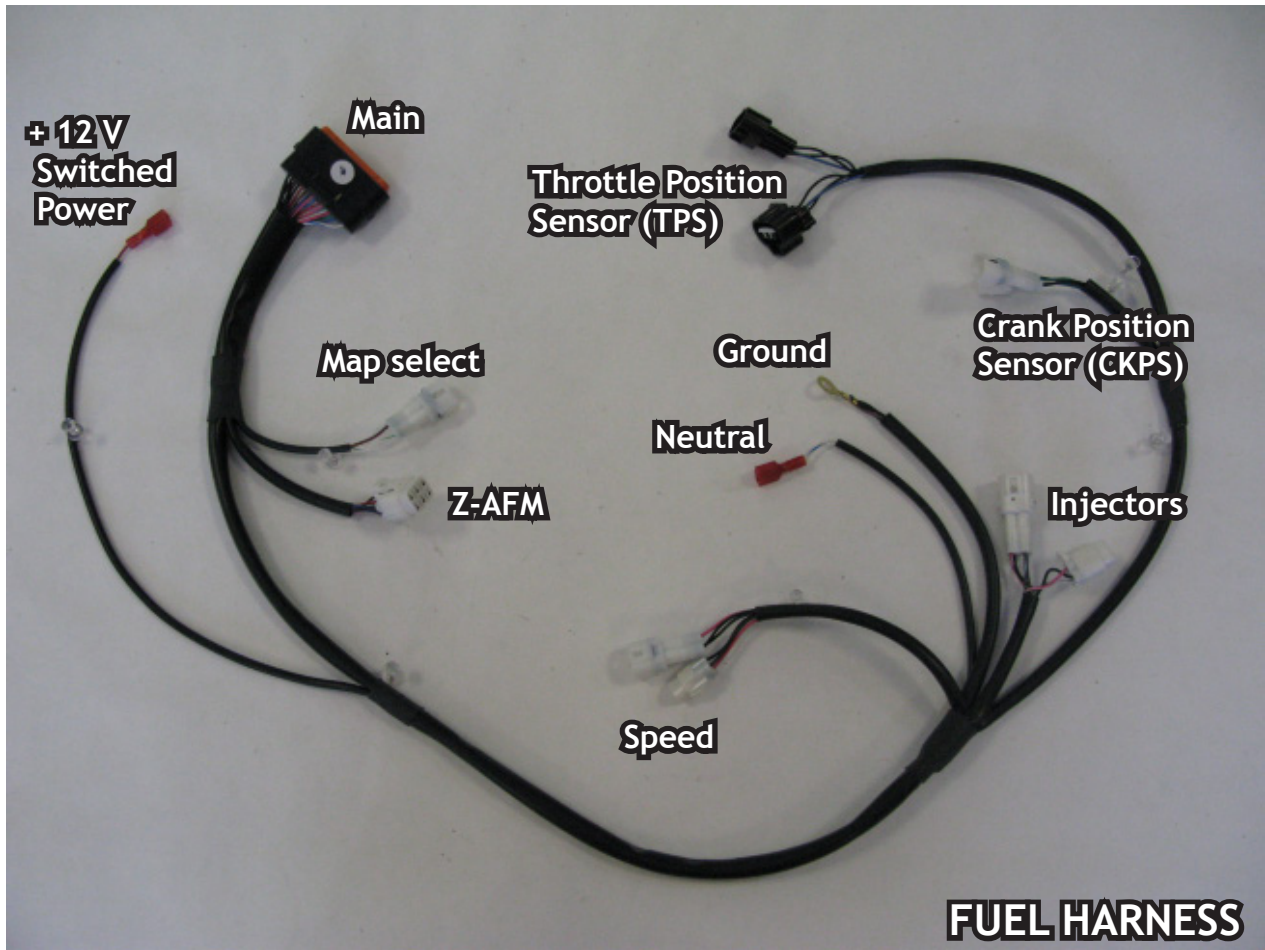


Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. For more specific stock component identification and location information refer to a factory service manual.

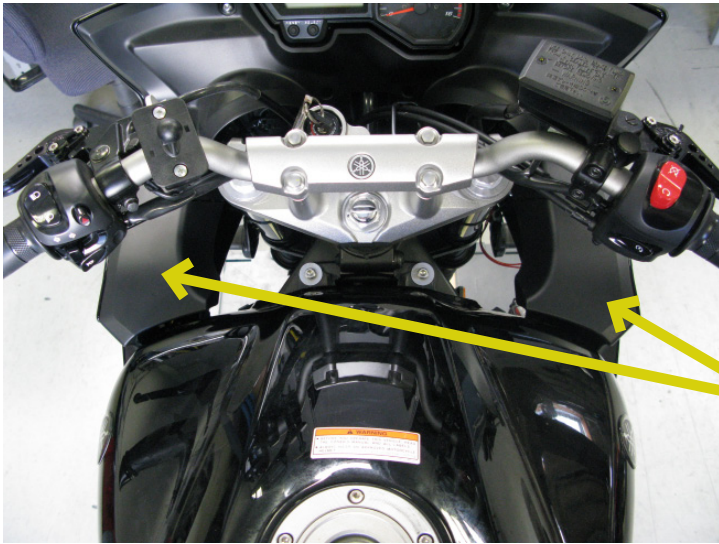
**[To create the ideal map\(s\) we recommend using the optimal Z-AFM self-tuning module](#)**

15330 Fairfield Ranch Rd., Unit E, Chino Hills, CA 91709 Phone (909) 597-8300 Fax (909)597-5580  
[www.Bazzaz.net](http://www.Bazzaz.net)

# BAZZAZ HARNESS CONNECTOR IDENTIFICATION

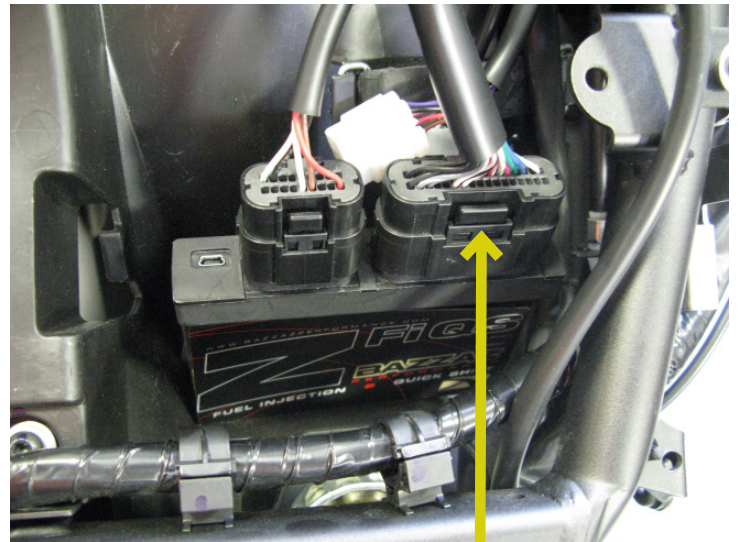


1. Prior to installing the Bazzaz unit remove seat, left tail fairing, left & right front vanity panels, and lift tank. Also remove airbox and move battery tray towards the rear.



vanity panel

2. Place the control unit in the rear seat tray (may have to remove tool kit) and connect main connector of the Bazzaz fuel harness to the control unit. Then route the harness along the left side of the bike, following the factory harness, from the rear towards the engine.

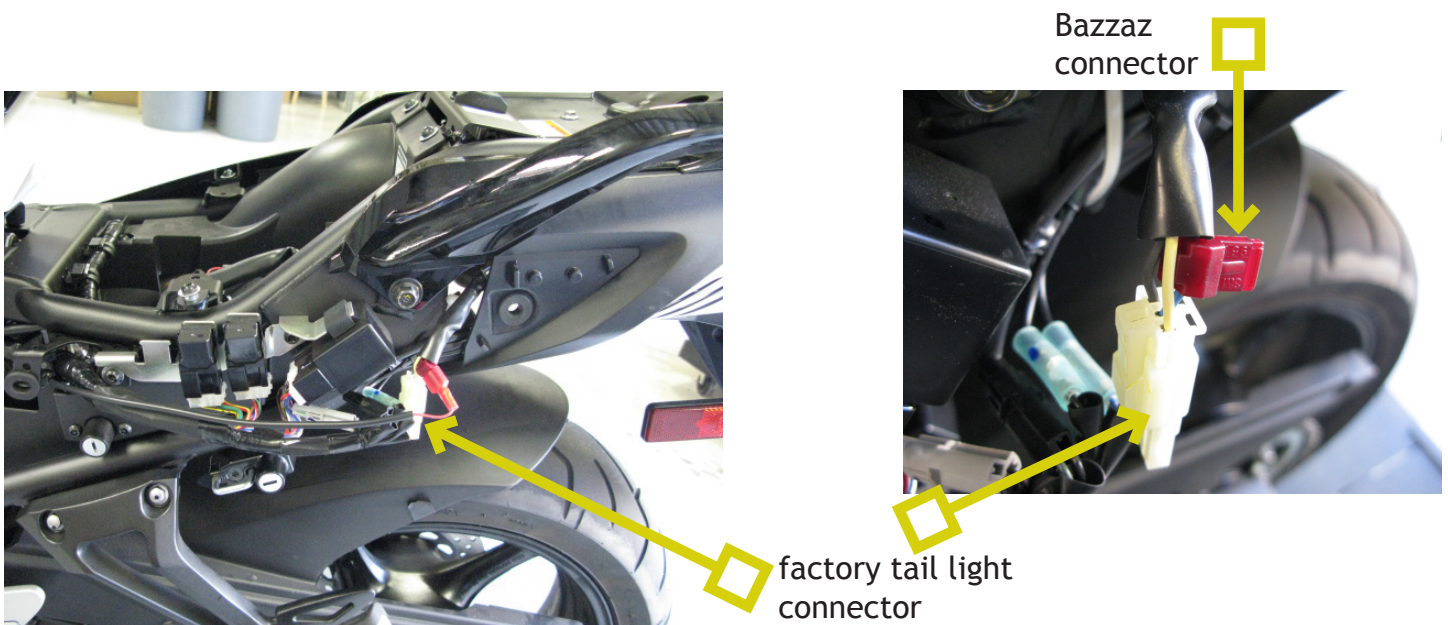


main connector of Bazzaz fuel harness

## SUGGESTED HARNESS ROUTING

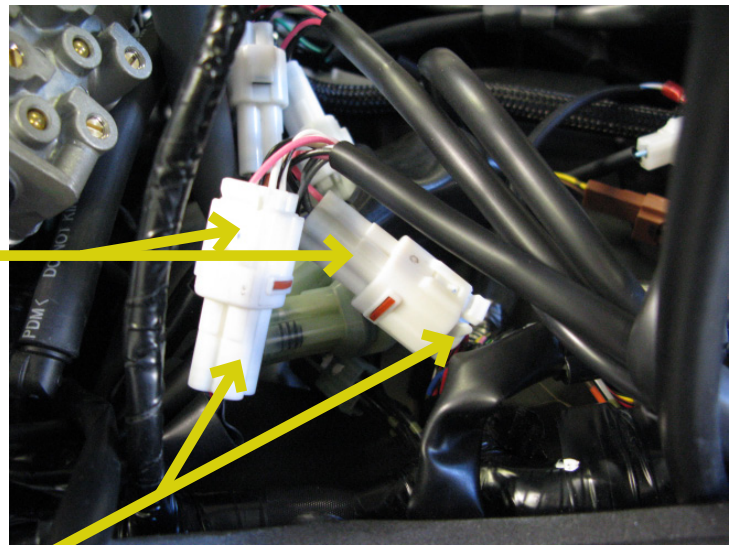


3. Route the Bazzaz +12V switched lead back towards the taillight following the factory harness on the left side of the bike. Pull back the harness sheathing to expose the wires of the factory harness of the tail light connector and crimp a supplied scotch lok connector onto the **blue wire**. Insert the Bazzaz +12V switched power connector (**red wire**) (orange tag) into the scotchlok.



4. Locate injector sub harness connectors on the left side of engine compartment (just behind fuel rail) and install corresponding Bazzaz connectors inline with factory harness.

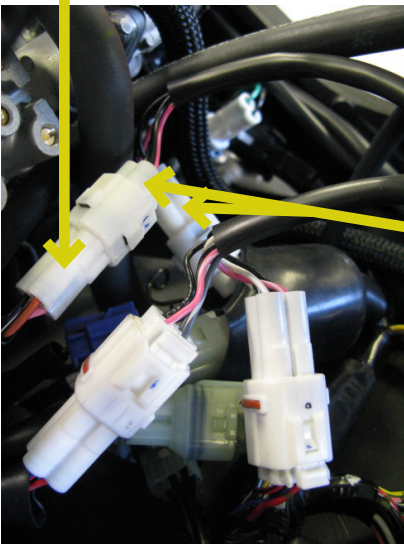
Bazzaz connectors



factory connectors

factory speed connector

(other factory speed connector is hidden behind wires in this photo)



5. Locate speed sensor connectors (middle of engine compartment in rubber boot with other connectors) and install corresponding Bazzaz connectors inline with factory harness.

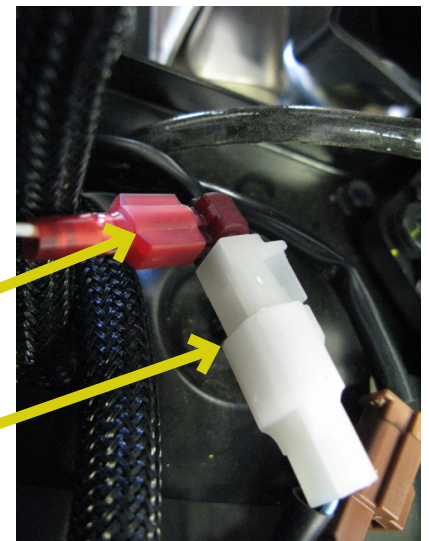
Bazzaz speed connectors

(other connectors shown in photo do not pertain to this step and are the injector connectors)

6. Locate the Neutral Sensor connectors (light blue wire) at the rear right side of the engine compartment next to brown engine temperature sensor connector. Pull back harness sheathing to expose the wire of the factory harness (sheathing is tight and may need to be cut back). Crimp a supplied scotchlok connector onto the **light blue** wire and insert the Bazzaz neutral sensor connector (**white/blue**) into the scotchlok.

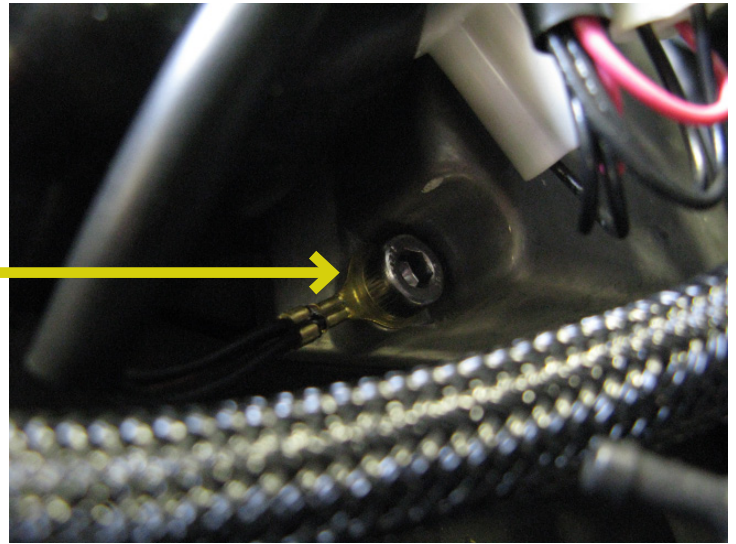
Bazzaz neutral

factory neutral



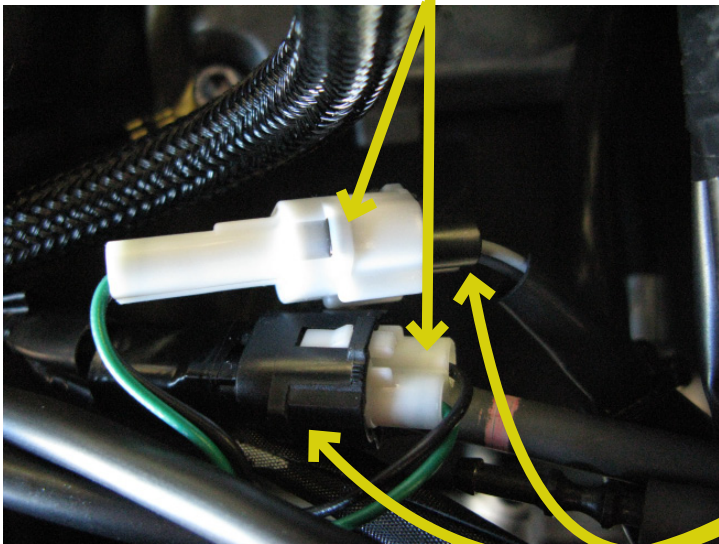
7. Locate engine bolt just to the right of the crankcase breather hose, remove, and secure Bazzaz fuel harness ground lug to a good chassis ground.

Bazzaz ground



8. Locate Crank Position Sensor (CKPS) connectors (right side, just behind airbox) and install corresponding Bazzaz connectors inline with factory harness.

Bazzaz connectors



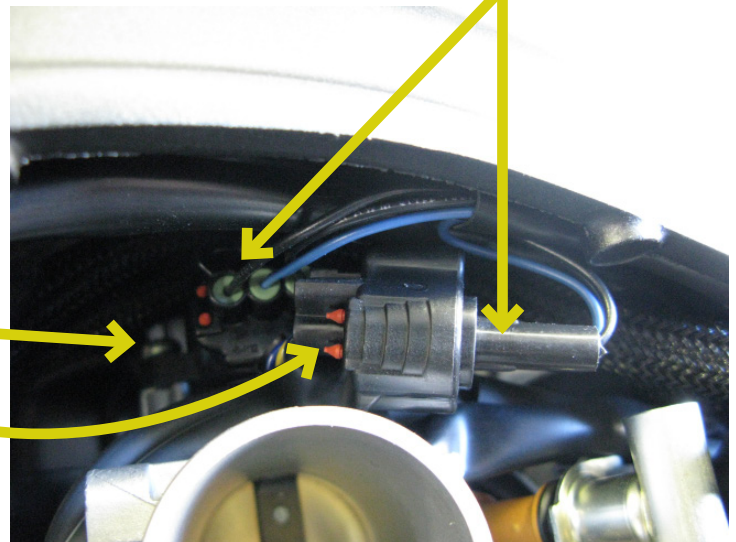
factory connectors

Bazzaz connectors

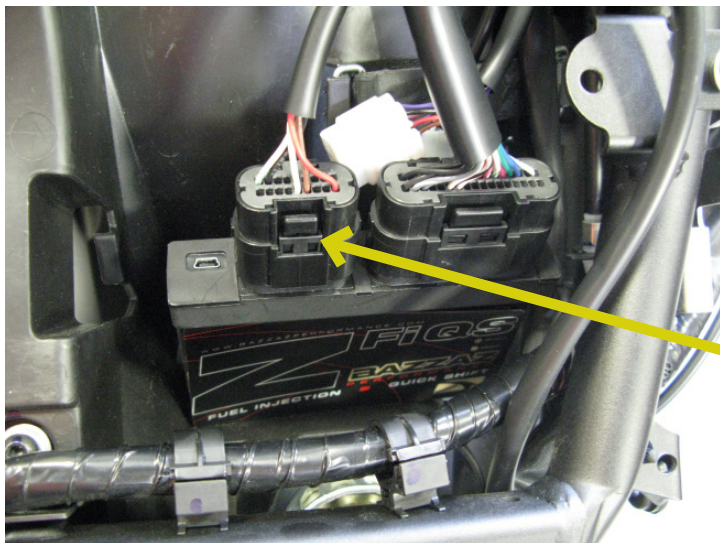
9. Locate Throttle Position Sensor (TPS) between airbox and frame on right side and disconnect the factory harness connector. Install corresponding Bazzaz connectors in line with factory harness; route harness between airbox and frame.

factory TPS sensor

factory connector



10. Disconnect the factory O2 sensor (black connector) found near Injector and speed sensor connectors. **Note: If not disconnected the factory ECU will continue to make map changes.**



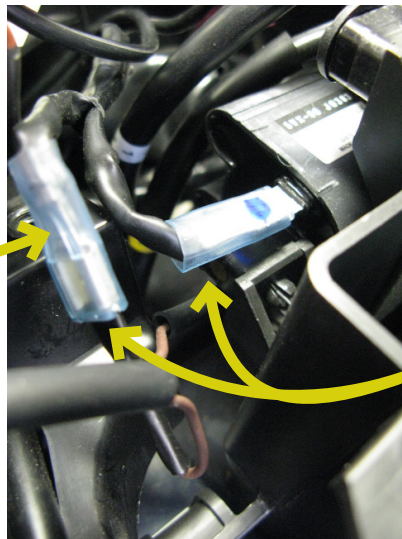
11. Connect Coil Harness main connector to Bazzaz control unit and route coil harness along left side of bike, following the factory wiring harness.

main connector of Bazzaz coil harness

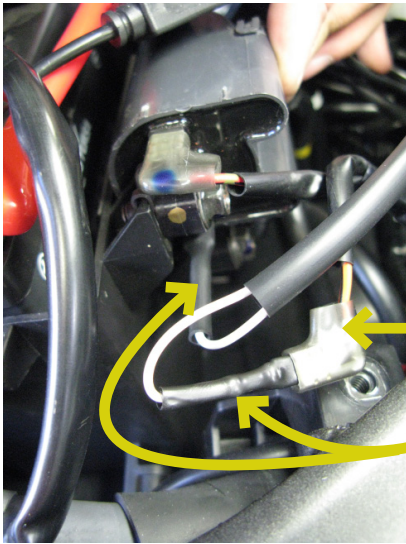
12. Detach bottom lead on coil # 2 (left side) and install the brown coil leads on the Bazzaz coil harness in line with the factory connector.

Coils are located on front of battery tray which is in front of the airbox. Coil 2 is underneath coil 1 and has terminals pointing to the left.

factory coil connector



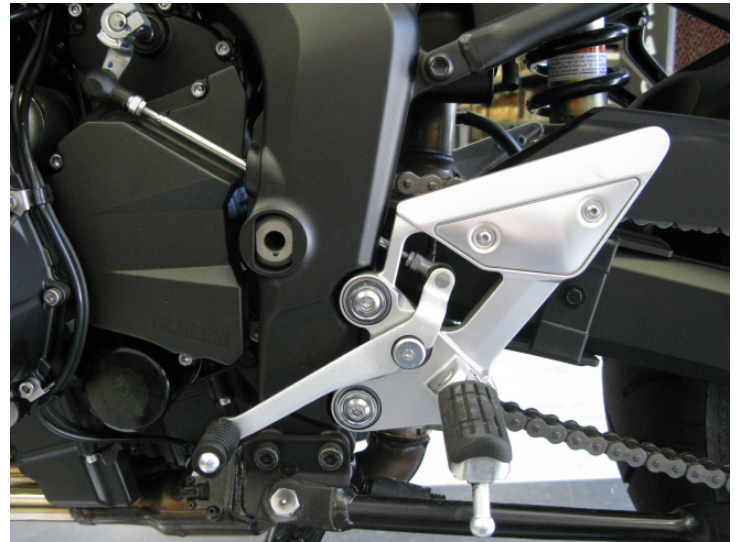
Bazzaz coil leads



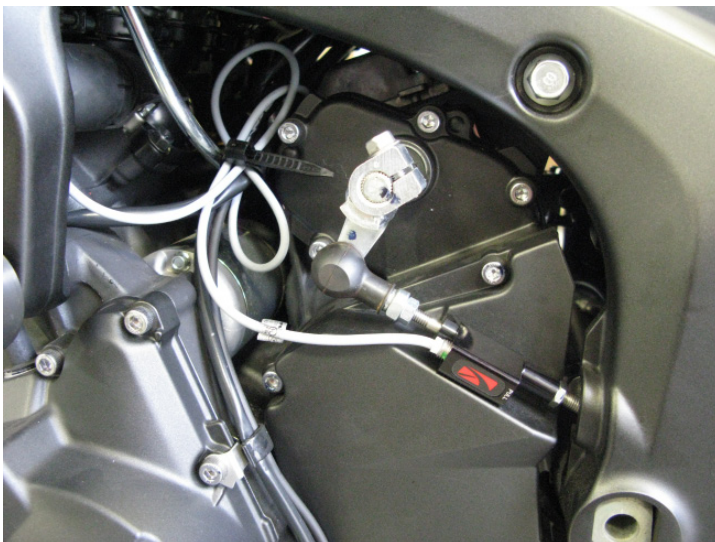
13. Detach bottom lead on coil # 1 (right side) and install the white coil leads on the Bazzaz coil harness in line with the factory connector.

Coil 1 is on top of coil 2 and has terminals pointing to the right.

14. Now you will begin installation of the shift switch by removing the factory shift rod. In place of the factory shift rod, install Bazzaz shift switch on the front shift linkage. Install the supplied shift rod by screwing it into place between the Bazzaz shift switch and the rear shift linkage. Secure components by tightening 10mm nuts. Now route the shift switch sensor cable into engine compartment and connect it to the mating connector on the Bazzaz coil harness.



Secure excess shift switch cable away from moving parts; we recommend using existing zip tie on factory harness. Remember, this application is for the standard shift only. Reverse shift can only be fitted when using aftermarket rear sets.



Factory harness has a reusable zip-tie already in place holding 3 wires together. We used this to secure the shift switch wire.



15. To complete the installation, use the supplied cable ties to secure the harnesses neatly along its 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 department 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 controller is capable of storing two maps. These maps can be selected through the use of a map select switch which can be mounted on the handlebar for easy access and can be purchased separately. Or these maps can be selected by connecting or disconnecting the map select jumper supplied with the kit. 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.

