



2009-2013 Suzuki Gladius SVF650
Z-Fi TC Installation Instructions
P/N T690S, T690R

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

Download Z-Fi Mapper Software and its Instructions from website

Scotchlok (1)

O2 Eliminator

Cable Ties

Velcro

USB Cable

Swingarm Stickers

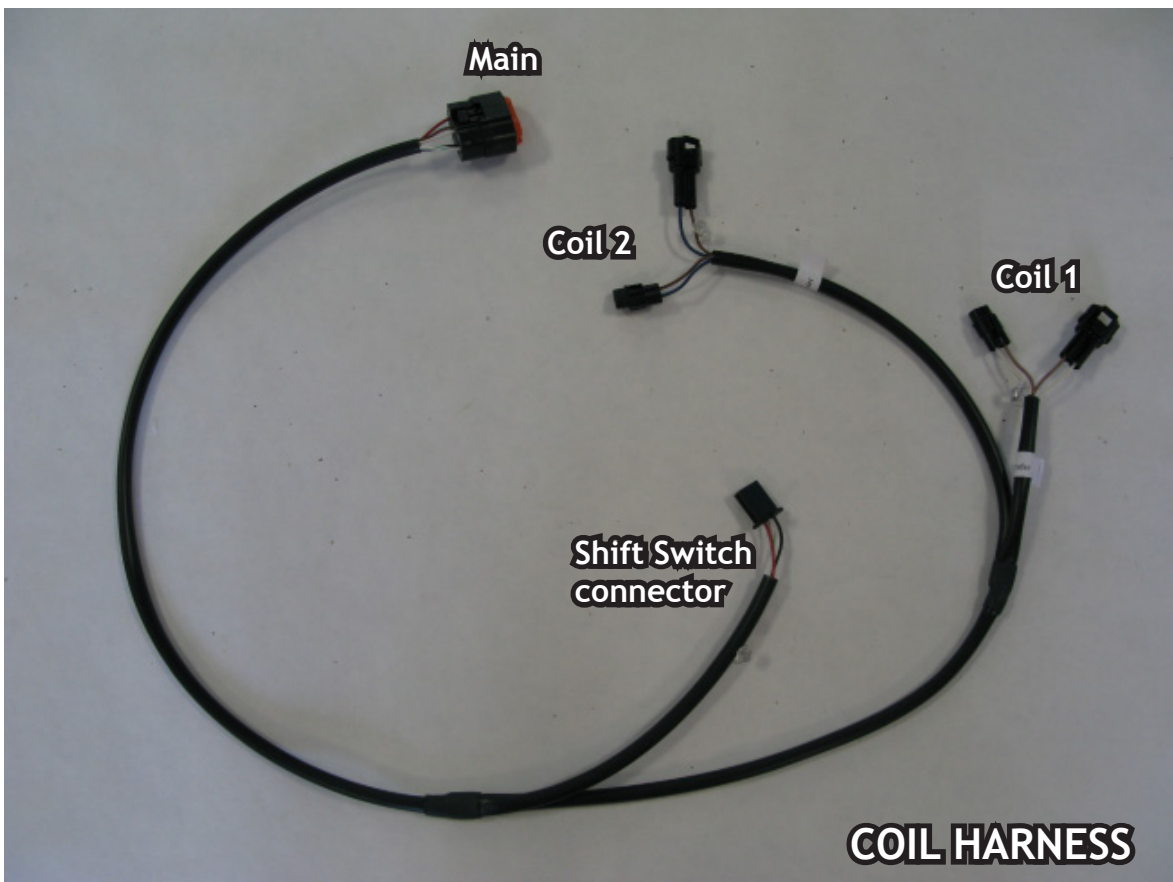
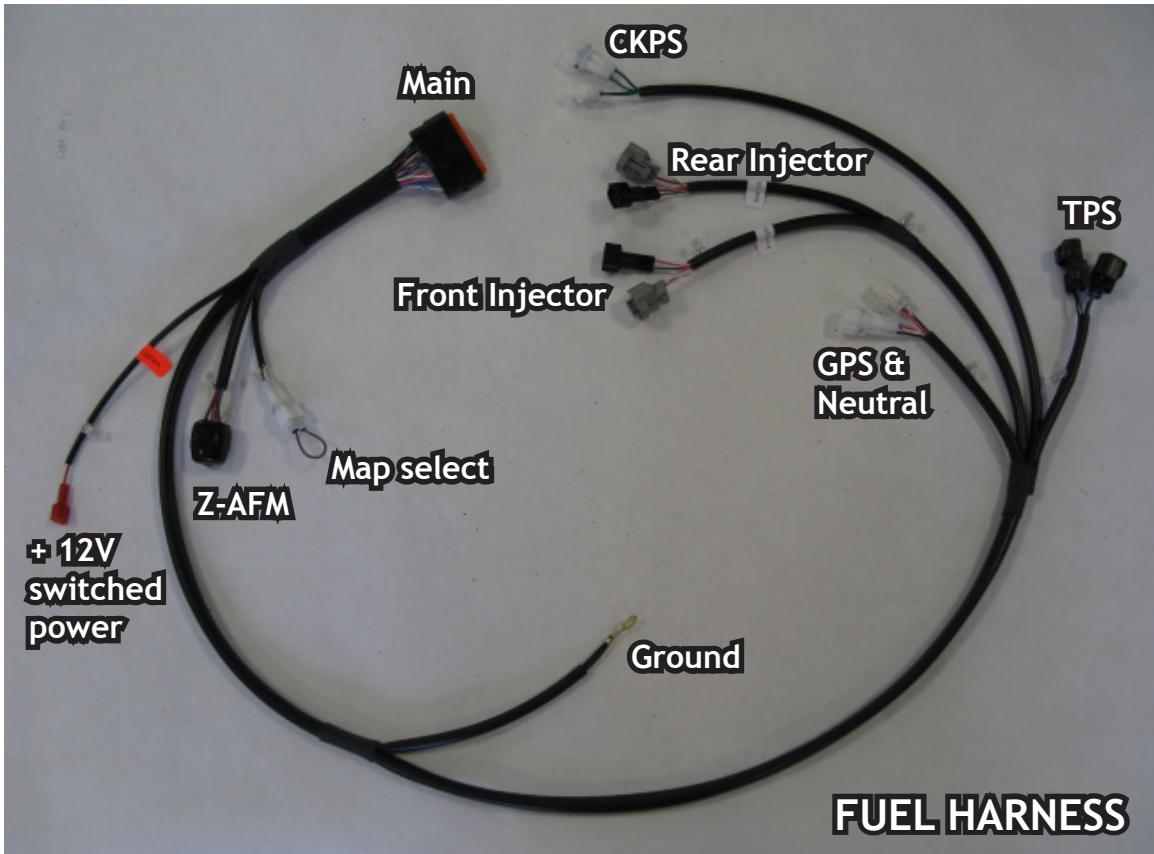


Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. For more specific stock component identification and location information refer to a factory service manual.

To create the ideal map(s) we recommend using the optimal Z-AFM self-tuning module

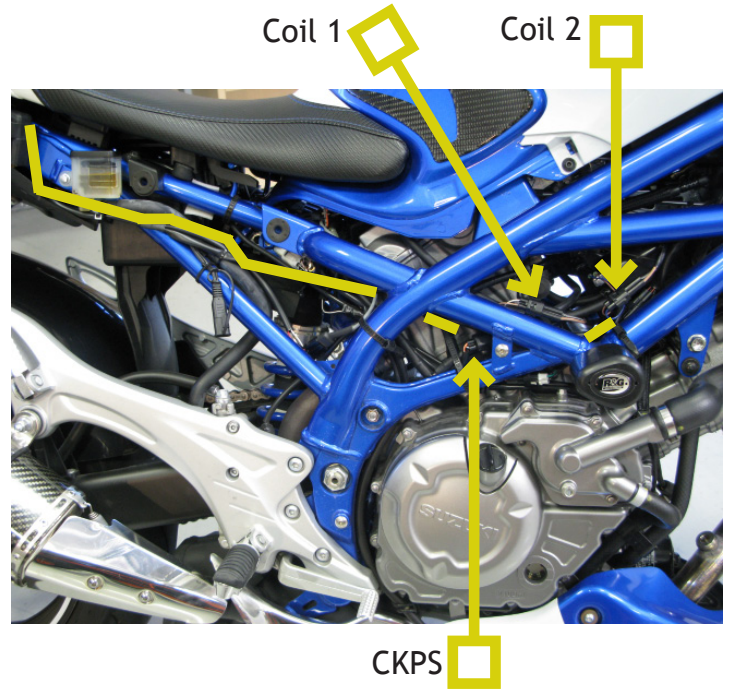
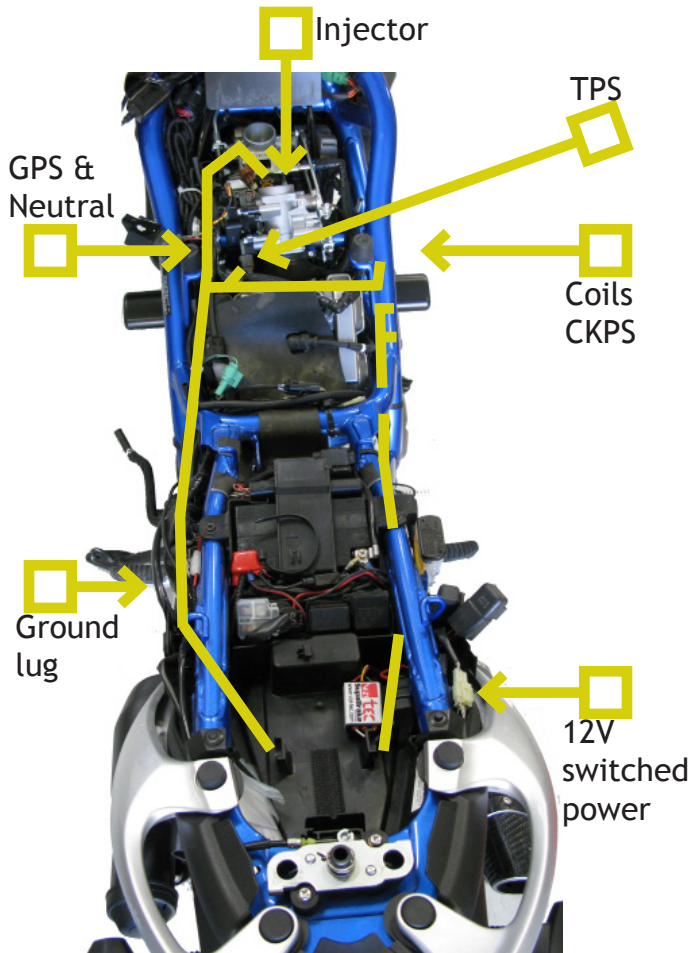
15330 Fairfield Ranch Rd., Unit E, Chino Hills, CA 91709 Phone (909) 597-8300 Fax (909)597-5580
www.Bazzaz.net

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

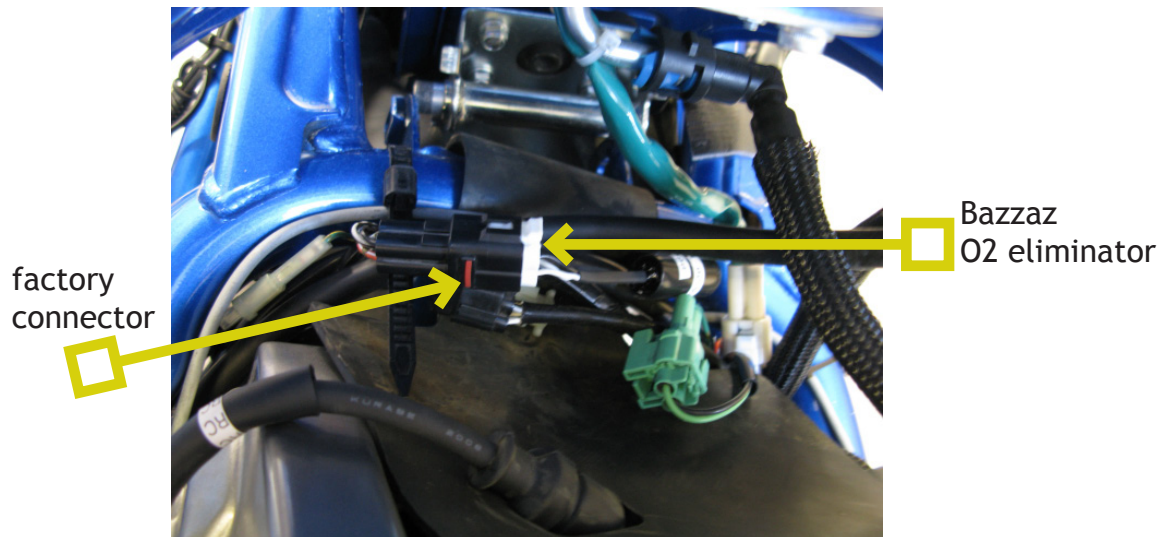


**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN
INSTALL THIS BAZZAZ PRODUCT**

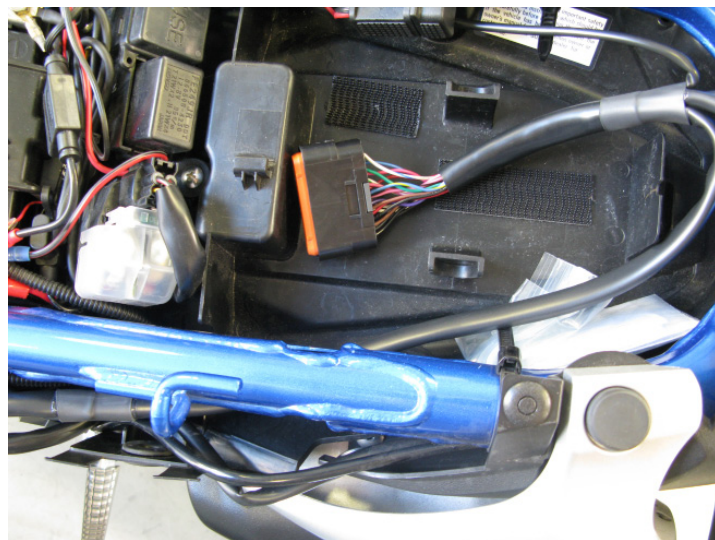
1. Begin the installation by removing the following components: Seat, side panels, tank, and airbox.



2. Disconnect the existing O2 sensor from the harness. 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. The supplied O2 eliminator must be connected in place of the O2 sensor connector to avoid triggering a fault code (FI light). Connect the Bazzaz O2 eliminator supplied with the kit in place of this sensor and secure it to the same location made available due to the removal of the sensor connector. If the O2 sensor is not removed then the ECU will continue to change the stock map.

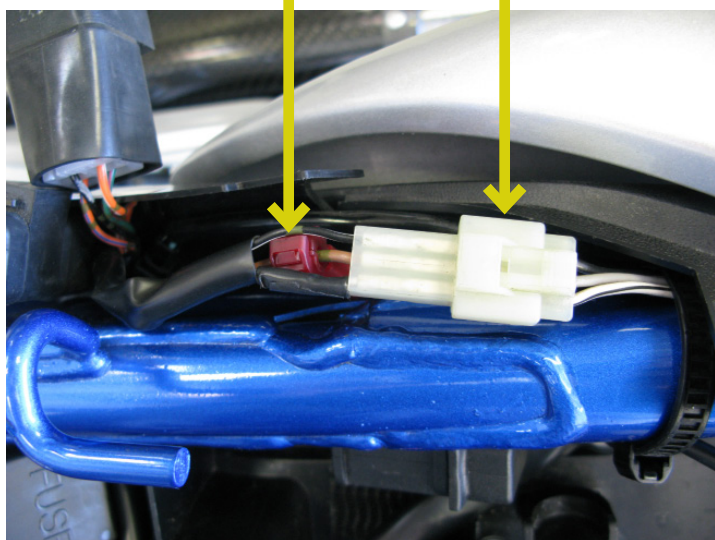


3. Place control unit in the tail compartment and route the fuel harness between the frame and plastic tray, continue to route along the factory wiring harness up into the engine compartment.



Bazzaz 12V
switched power

tail light
connector



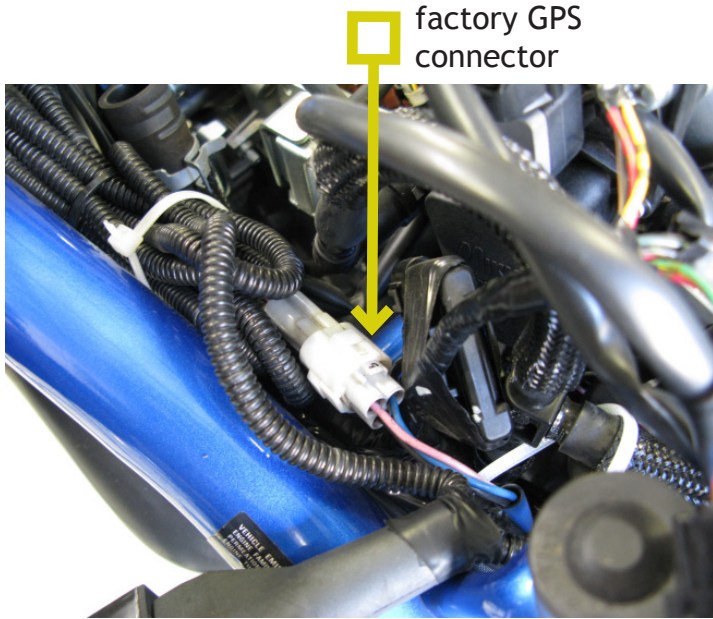
4. Locate the tail light connector on the factory wiring harness on the right side of the tail compartment, in between the frame and the fairing. Crimp the supplied skotch lok onto the middle (**brown**) wire, and connect Bazzaz power lead (orange label).

5. Next locate a suitable ground to attach the Bazzaz fuel harness ground lug to. We recommend the bolt that holds the fuel evap hose bracket to the frame.

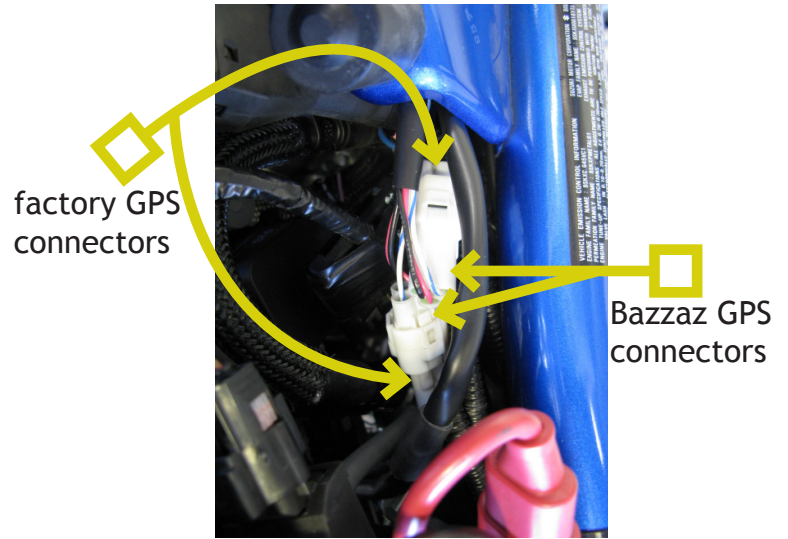
Bazzaz
ground lug



6. Locate Gear Position Sensor connector, on the left side of the engine compartment just forward of the Throttle Position Sensor, and install the Bazzaz GPS connectors in line with the factory connectors.



factory GPS connector



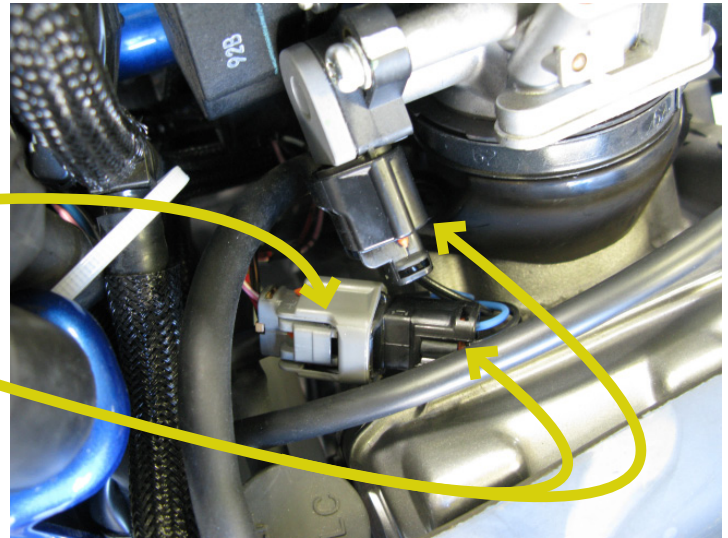
factory GPS connectors

Bazzaz GPS connectors

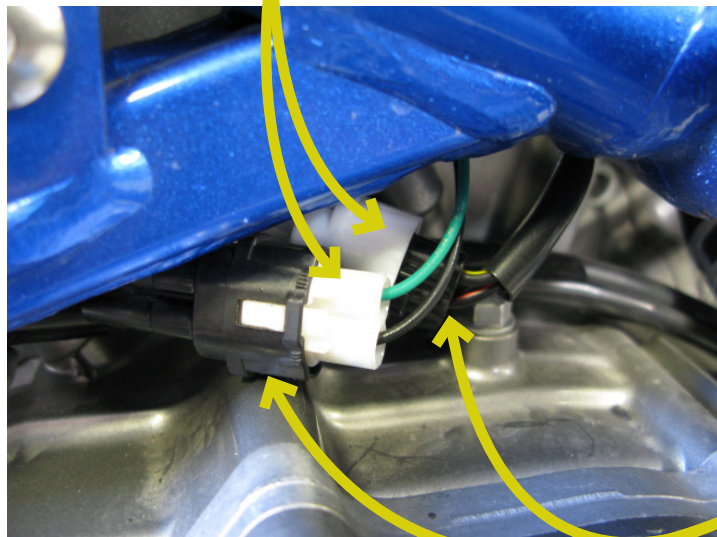
7. Locate the TPS connector and install the Bazzaz TPS connectors in line with the factory connectors.

factory TPS connector

Bazzaz TPS connectors



Bazzaz CKPS connectors



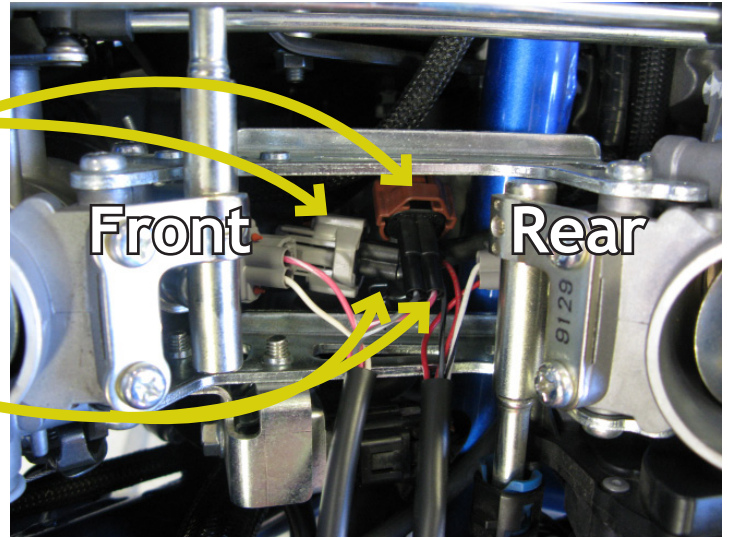
factory CKPS connector

8. Route the Bazzaz CKPS lead across the rear of the throttle bodies, underneath the TPS, to the right side of the engine. Locate the factory CKPS connectors near the bottom of the rear cylinder. This connector is very similar to the #1 coil connector, but is not compatible; the factory CKPS connector has ORG/BLU and WHT wires on one side, and BLK/YLW and BLK/RED wires on the other side. Plug the Bazzaz CKPS connectors in line with the stock connectors.

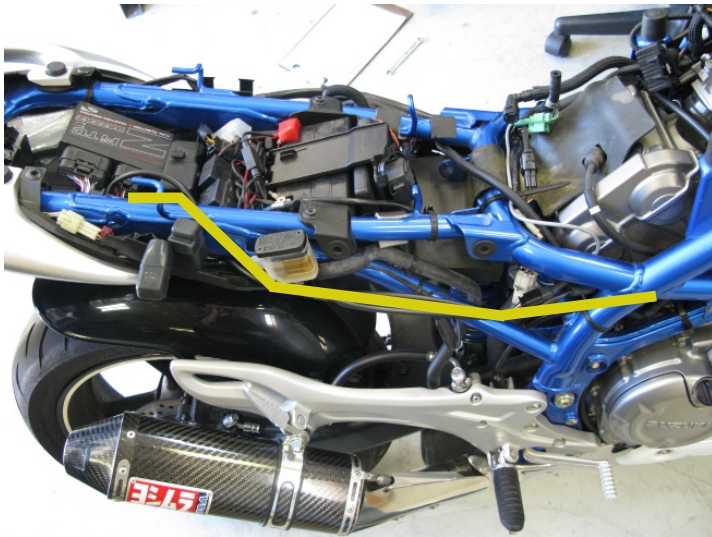
9. Route the remaining section of the Bazzaz fuel harness with the injector connectors to the middle of the throttle bodies. Unplug the factory connectors (brown for the front cylinder, grey for the rear) and plug the Bazzaz connectors in line with the factory connectors.

factory connectors

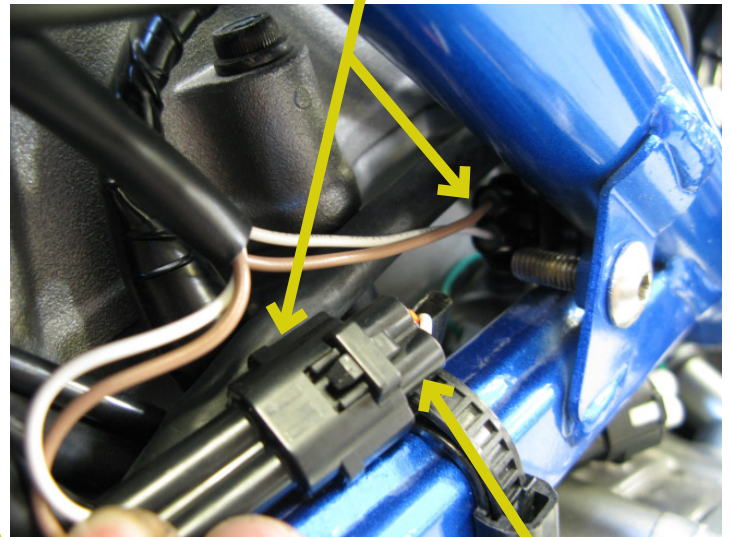
Bazzaz connectors



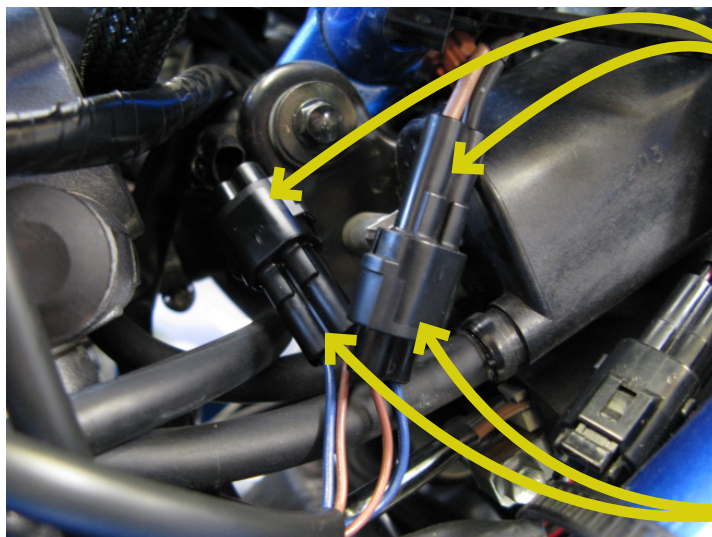
10. Route the Bazzaz coil harness behind fuse box, between frame and plastic tray, along the right side of the bike, following the rear brake line, then between the frame and the rear cylinder. Locate the front coil connector (WHT/BLU and ORG/WHT wires on harness side) and plug Bazzaz front coil connectors in line with factory connectors. Next locate the rear coil connectors (BLK and BLK/ORG wires on harness side) and connect Bazzaz rear coil connectors in line with factory connectors.



Bazzaz connectors



factory connector



factory connectors

Bazzaz connectors

11. Now you will begin the installation of the shift switch by removing the factory shift rod, install Bazzaz shift switch on the front shift linkage. The supplied shift rod may have to be cut shorter depending on your shift pedal height preference, once correct length is attained install Bazzaz shift rod by screwing it into place between the Bazzaz Shift switch and the rear shift linkage. Secure components by tightening the 10mm nuts. Now route the shift switch sensor cable into the engine compartment and connect it to the mating connector on the Bazzaz coil harness.

Secure excess shift switch cable away from moving parts. Remember this application is for the standard shift only; reverse shift can only be fitted when using aftermarket rear sets.



12. To complete the installation, use the supplied cable ties to secure the Bazzaz and factory 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 Z-Fi 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 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**.*

