Kawasaki ZX-6R 2005-2006
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Z-Fi Quickshift / Z-Fi Traction Control Installation Instructions
Part #'s S444S, S444R, T444S, T444R

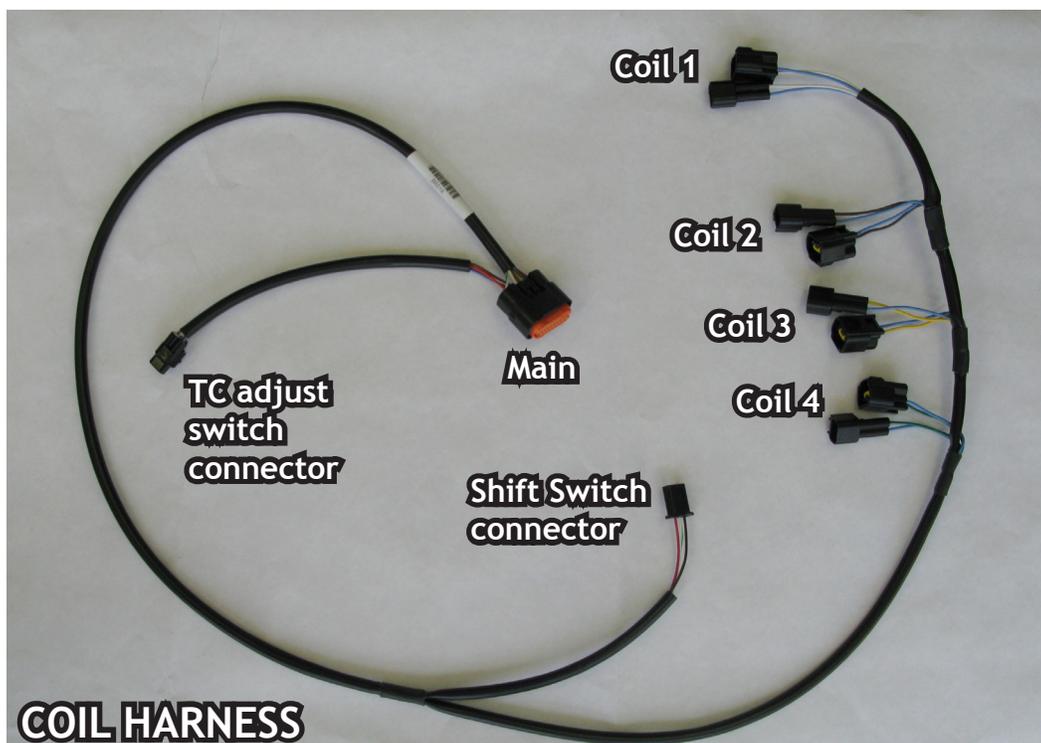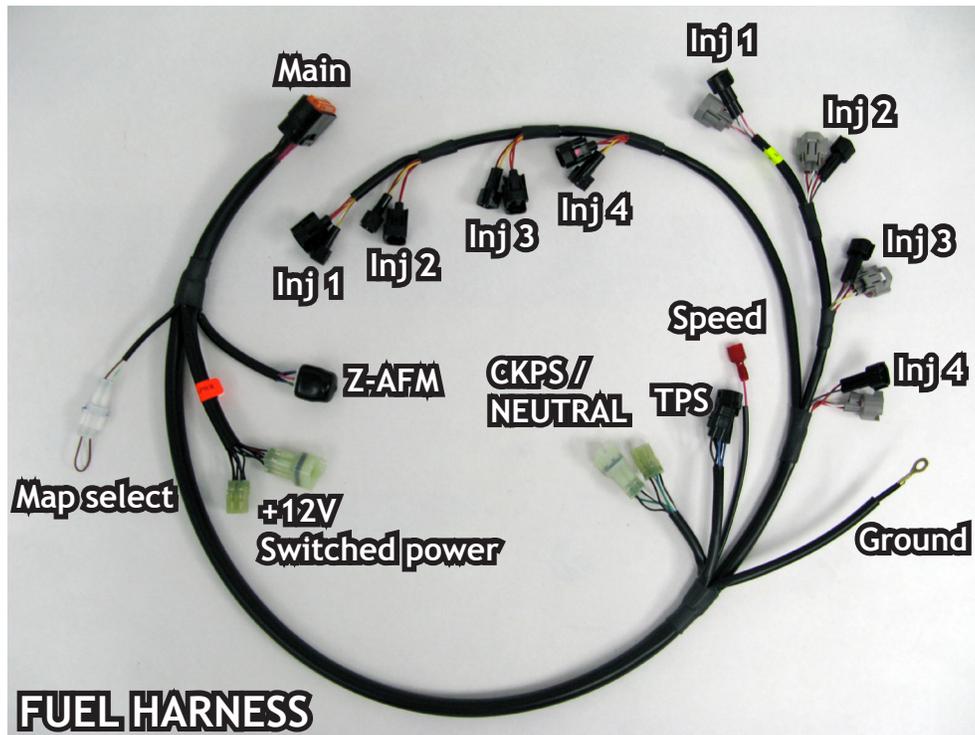In order to fit the Bazzaz reverse quickshift on this application, aftermarket rearsets must be used

Parts List:
Z-Fi TC/QS Control Unit
Fuel Harness
Coil Harness
Shift Switch & Mounting Hardware
Download Z-Fi Mapper Software at **www.bazzaz.net**
Software instructions available at **www.bazzaz.net**
Scotchlok (1)
Cable Ties
Velcro
USB Cable
Swingarm Stickers

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
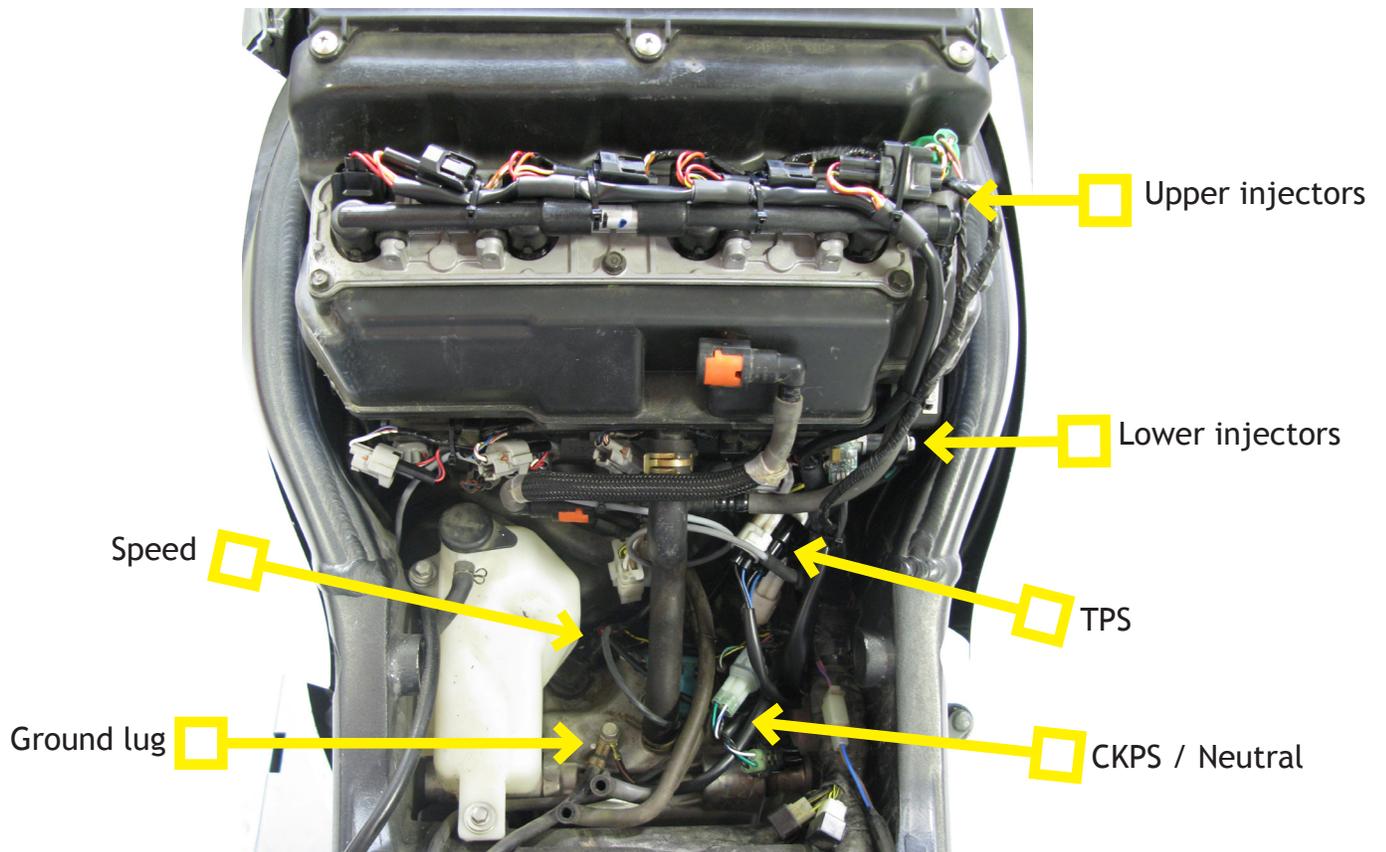
BAZZAZ HARNESS CONNECTOR IDENTIFICATION

FUEL HARNESS

Main · Inj 1 · Inj 2 · Inj 3 · Inj 4 · Inj 1 · Inj 2 · Inj 3 · Inj 4 · Z-AFM · CKPS / NEUTRAL · Speed · TPS · Map select · +12V Switched power · Ground

COIL HARNESS

Coil 1 · Coil 2 · Coil 3 · Coil 4 · Main · TC adjust switch connector · Shift Switch connector
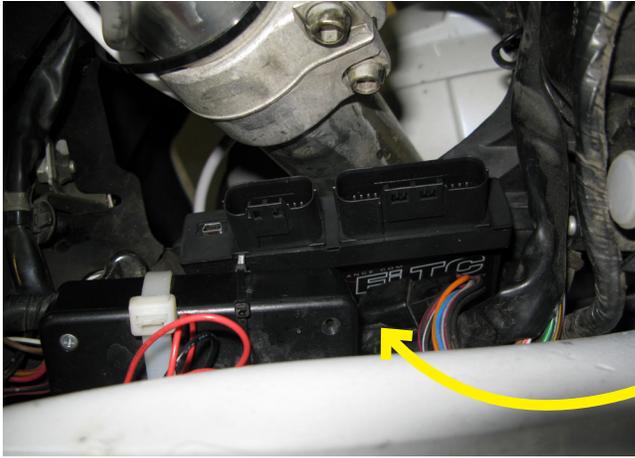
1. Begin the installation by removing the tank panels, rider seat, tank and right side vanity panel (fuel harness routing shown in yellow for later reference).

Location reference

Upper injectors

Lower injectors

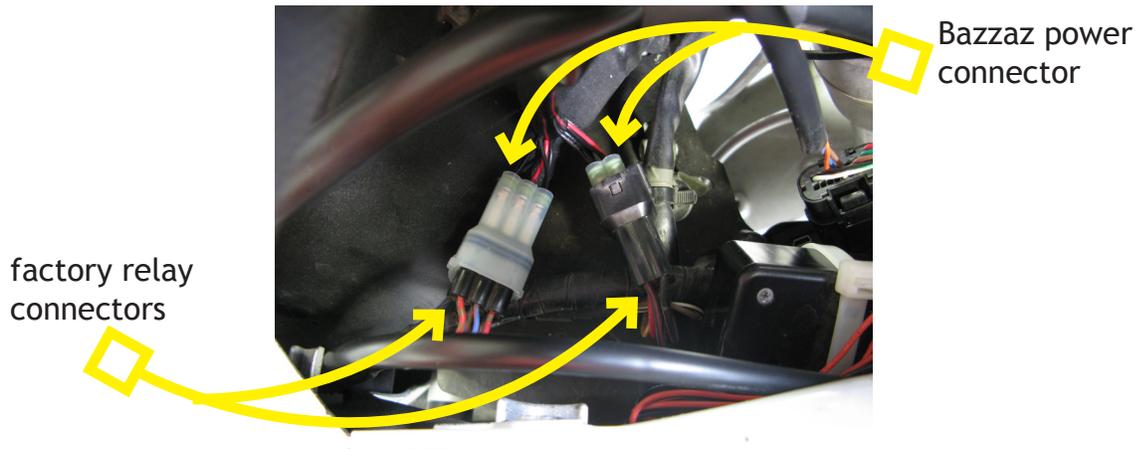TPS

Speed

CKPS / Neutral

Ground lug

2. Place and secure the **CONTROL UNIT** to the inside front section of the right side fairing using the provided Velcro. Plug the main connector of the **FUEL HARNESS** into the control unit. Begin routing the harness back toward the engine, between the fairing and the frame.
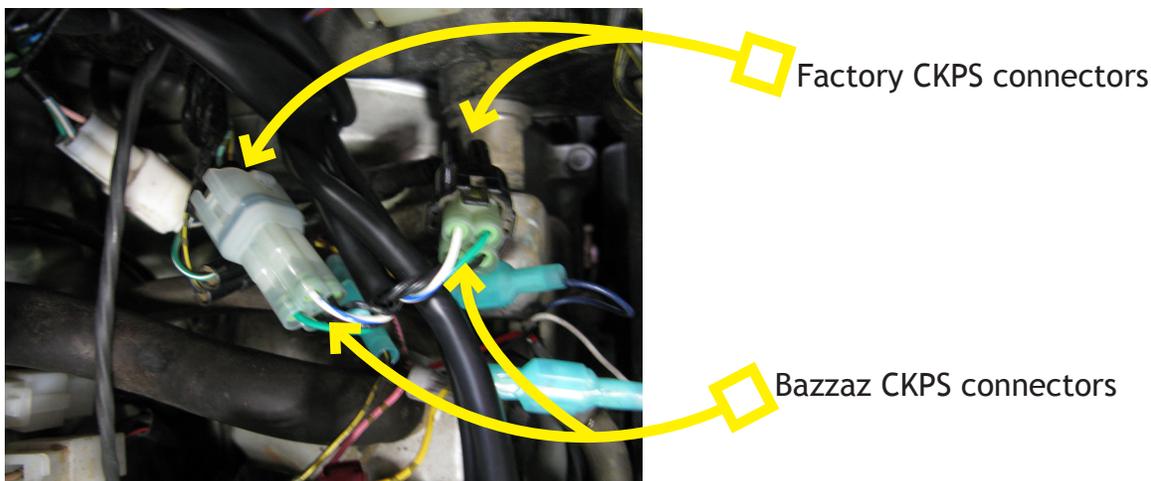

Bazzaz control unit

3. Locate the factory six-pin relay connector (black connector) found in the same area the control unit is mounted. Disconnect the factory relay connectors and connect the Bazzaz **+ 12V SWITCHED POWER** connectors inline with the factory connectors.

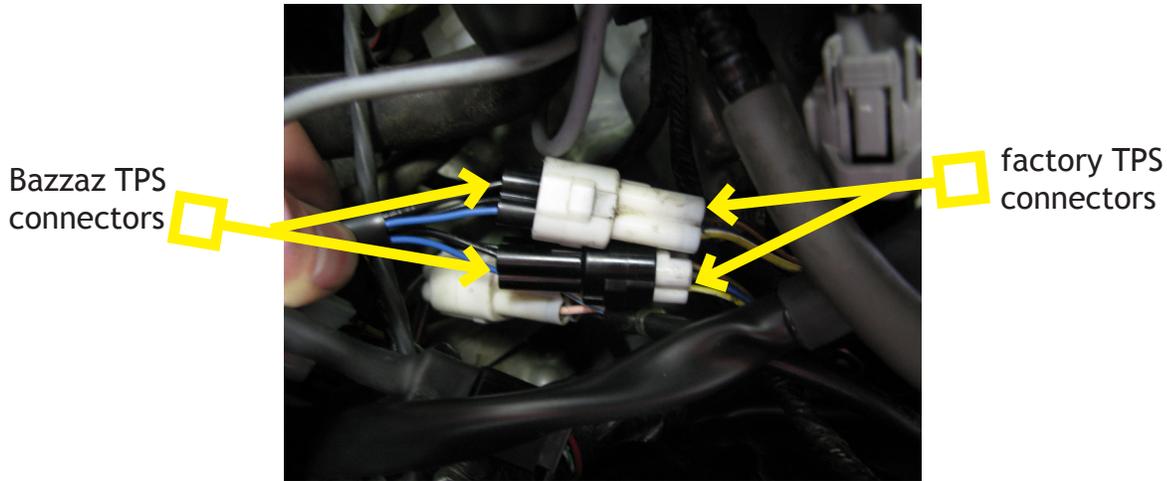Bazzaz power connector

factory relay connectors

4. Route the fuel harness down and along the side of the bike, between the frame and fairing. Then to the top of the clutch cover and into the engine compartment between the frame and the engine.
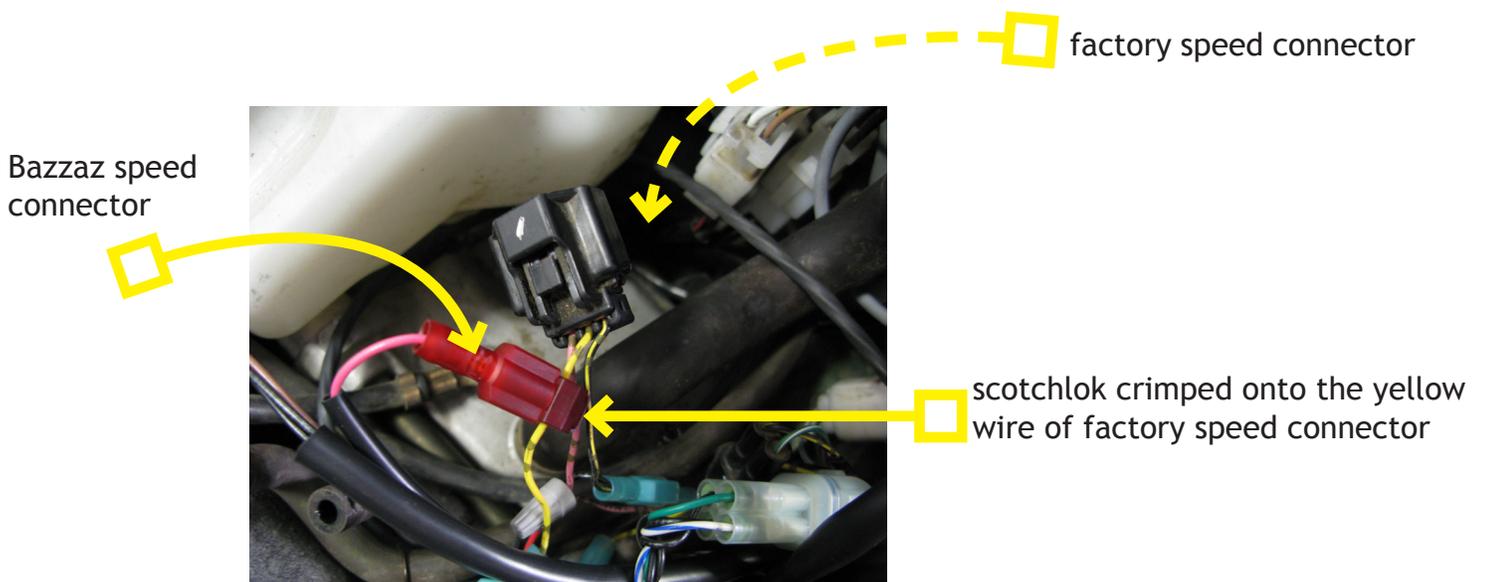
Locate the black factory CKPS connectors, found on the right side of the engine compartment. Disconnect the factory CKPS connectors and connect the Bazzaz **CKPS/NEUTRAL** connectors inline with the factory connectors.

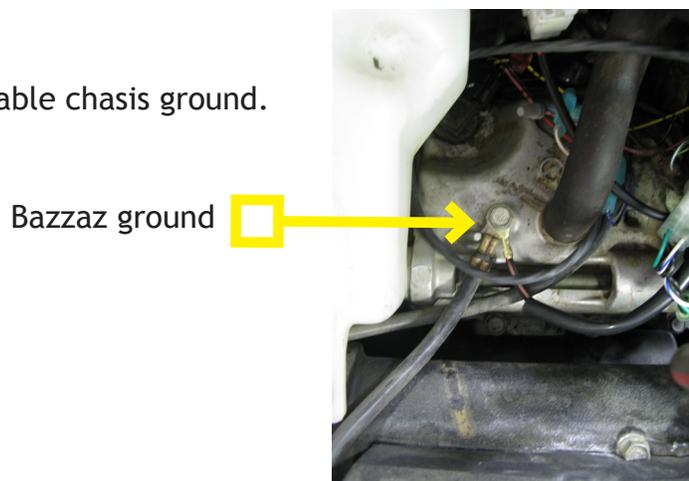Factory CKPS connectors

Bazzaz CKPS connectors

5. Locate the white factory Throttle Position Sensor (TPS) connectors found near the back, right side of the throttle bodies. Disconnect the factory TPS connectors and connect the Bazzaz **TPS** connectors inline with the factory connectors.

Bazzaz TPS connectors

factory TPS connectors

6. Locate the factory speed sensor connector, which is found on top of the transmission toward the left side of the engine compartment. Disconnect the factory connector from the sensor and trim the sheathing back to expose the wires. Crimp a supplied scotchlok on the yellow wire of the connector. Insert the Bazzaz **SPEED** connector into the scotchlok and reconnect the factory speed connector.
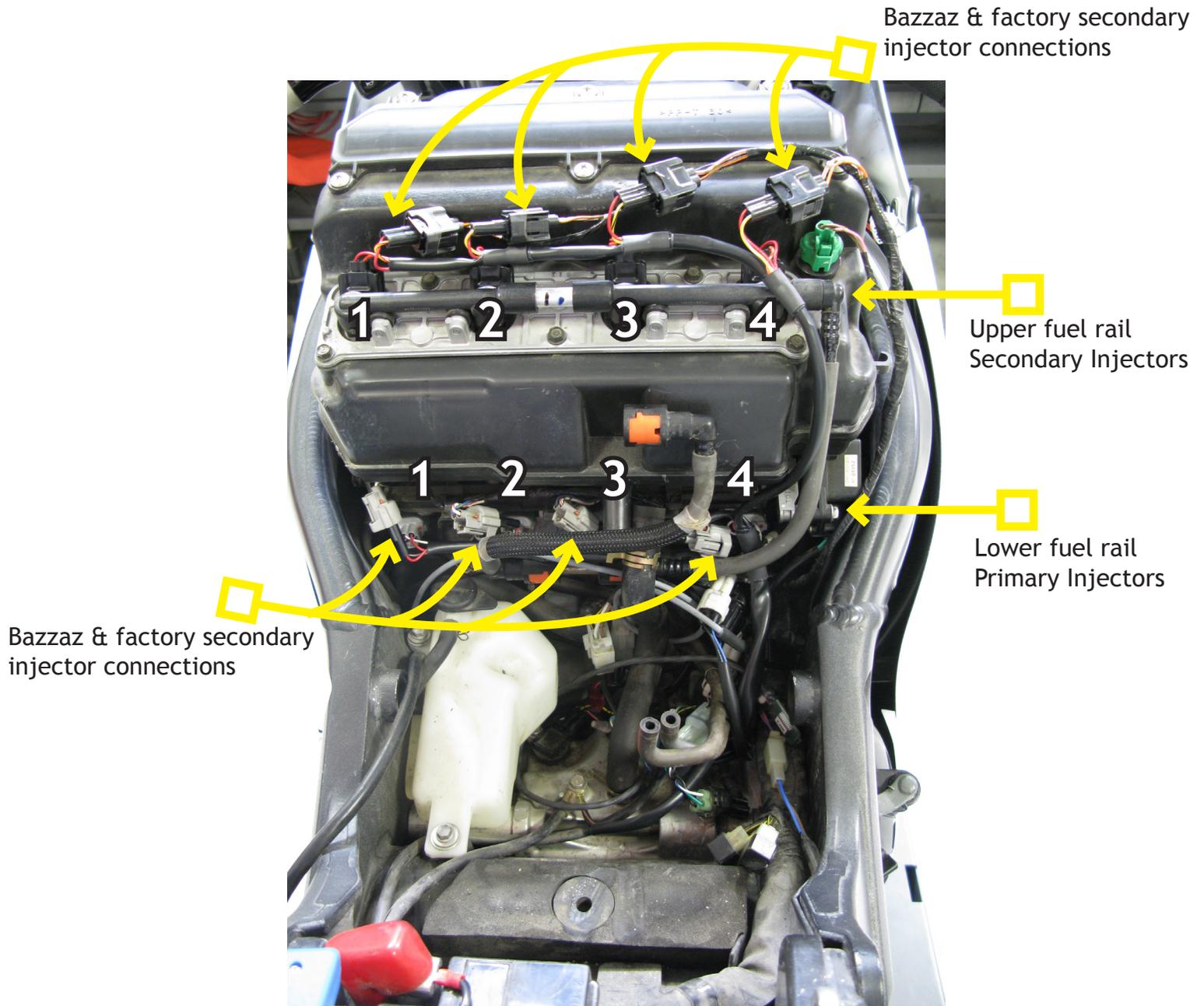
factory speed connector

Bazzaz speed connector

scotchlok crimped onto the yellow wire of factory speed connector

7. Next attach the Bazzaz **GROUND** lug to a suitable chasis ground.

Bazzaz ground

8. Now route the portion of the Bazzaz fuel harness (labeled with green sticker) with the **PRIMARY INJECTOR CONNECTORS** to the right side of the lower fuel rail. From right to left, disconnect the factory connectors from the injectors. Connect the Bazzaz injector connectors inline between the factory injectors and connectors.

9. Next route the portion of the Bazzaz fuel harness with the **SECONDARY INJECTOR CONNECTORS** to the top fuel rail. From right to left, disconnect the factory connectors from the injectors. Connect the Bazzaz injector connectors inline between the factory injectors and connectors.

Bazzaz & factory secondary injector connections

Upper fuel rail
Secondary Injectors

Lower fuel rail
Primary Injectors

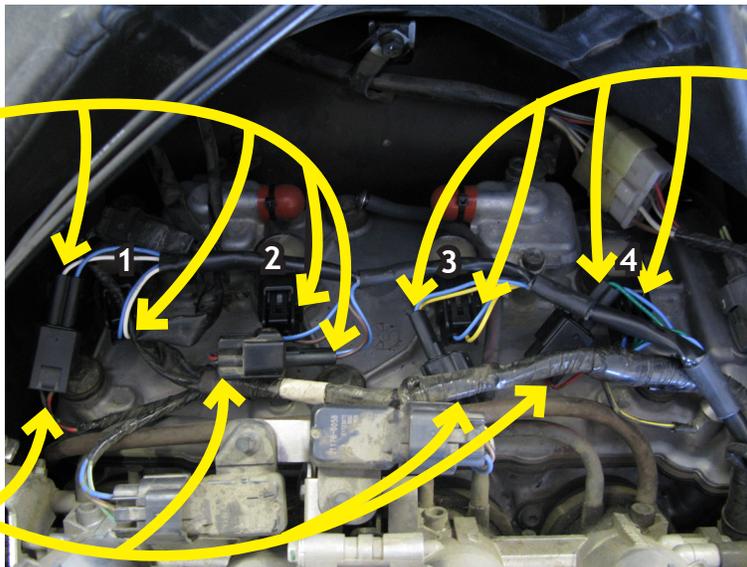Bazzaz & factory secondary injector connections

10. Now you will install the **COIL HARNESS**. To gain access to the ignition coils, the airbox will need to be removed. Once the airbox is removed connect the main connector of the Bazzaz coil harness to the control unit. Route the harness along the same path as the fuel harness and up the right side of the throttle bodies to the top of the motor.

11. From **right** to **left**, unplug the factory coil connectors from the stick coils. Plug the Bazzaz **COIL CONNECTORS** inline between the factory connectors and stick coils. Start with the Bazzaz coil connectors having the green wires.
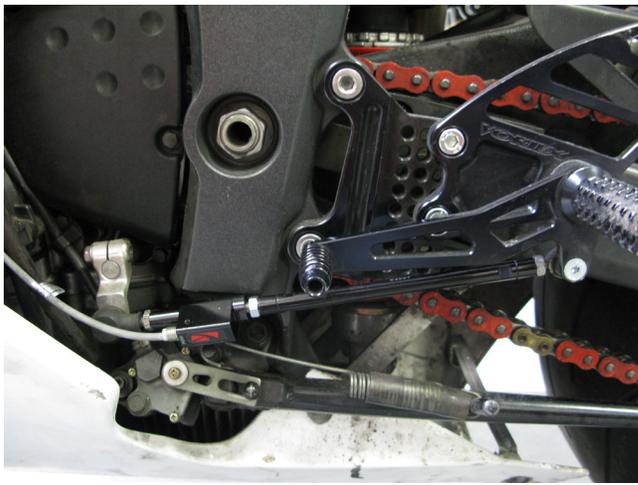

Bazzaz coil connectors (1 & 2)

Bazzaz coil connectors (3 & 4)

factory coil connectors

12. Now you will begin the installation of the **SHIFT SWITCH** by removing the factory shift rod. Next install the Bazzaz shift switch onto the front linkage, then install the supplied **SHIFT ROD** between the rear linkage and the shift switch. Adjust the foot pedal to preferred height and secure components by tightening the 10mm nuts. Now route the shift switch connector up to the engine compartment and connect it to the mating connector on the Bazzaz coil harness.

Standard shift installation
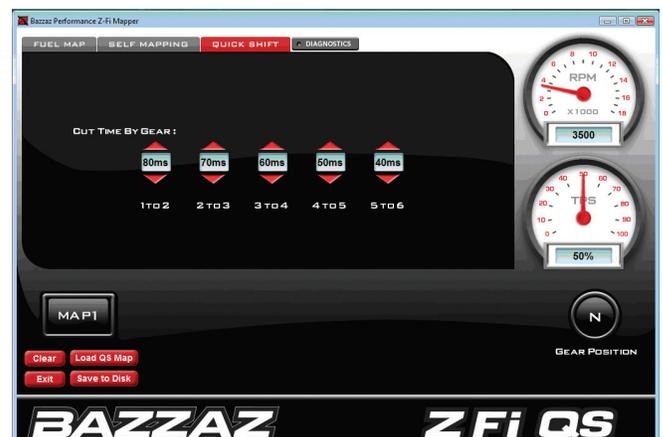*Reverse shift requires modification to shift linkage*

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.

This control unit is pre-programmed from the factory with an enhanced map for the ZX-6R 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. A fuel map will need to be made if installed on a ZX-6RR.

Don't forget to download the Z-Fi Mapper software from **www.bazzaz.net** (under the software tab) so that you can adjust your fuel map, and QS or TC settings (depending on the product you purchased). 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]

Traction Control / Map Select Switch (for use with Z-Fi TC only)
The Bazzaz TC Adjust Switch is a handlebar-mounted switch for easy, on the fly, traction control adjustments and map switching. Quickly adjust traction control settings (a great way to learn TC), or switch off, using a 10-point dial. Also toggle between two maps held on the Bazzaz unit (e.g. rain map, fuel economy map, etc.) on the fly. [Part No. 127079]

Traction Control Active Light (for use with Z-Fi TC)
TC Active Light illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated. [Part No.M842]