2006-2013 Suzuki M109R
Z-Fi QS / Z-Fi TC Installation Instructions
P/N S620S, S620R, T620S, T620R

In order to fit the Bazzaz reverse quickshift, 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:

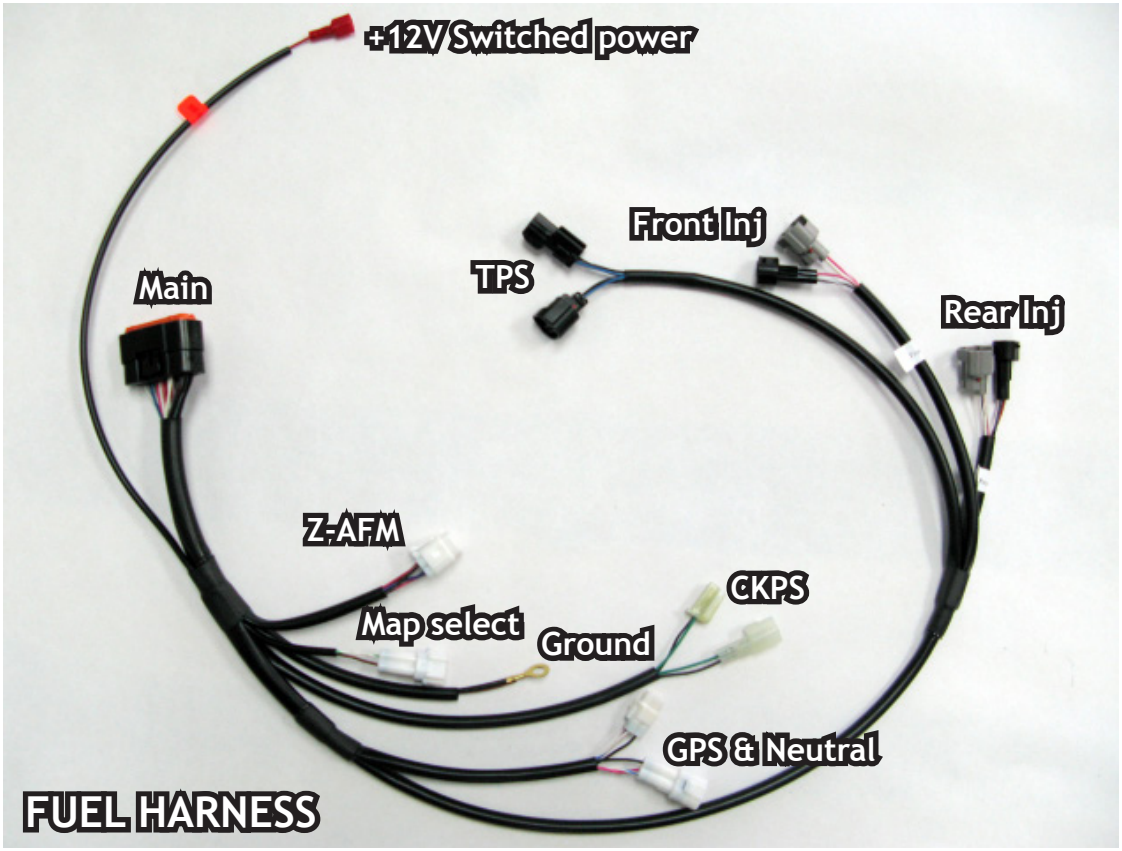
Z-Fi TC/QS Control Unit
Fuel Harness
Coil Harness
Shift Switch & Mounting Hardware
Download Z-Fi Mapper Software and its Instructions from website
Scotchlok (3)
Cable Ties
Velcro
USB Cable
Swingarm Stickers

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 identifition 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

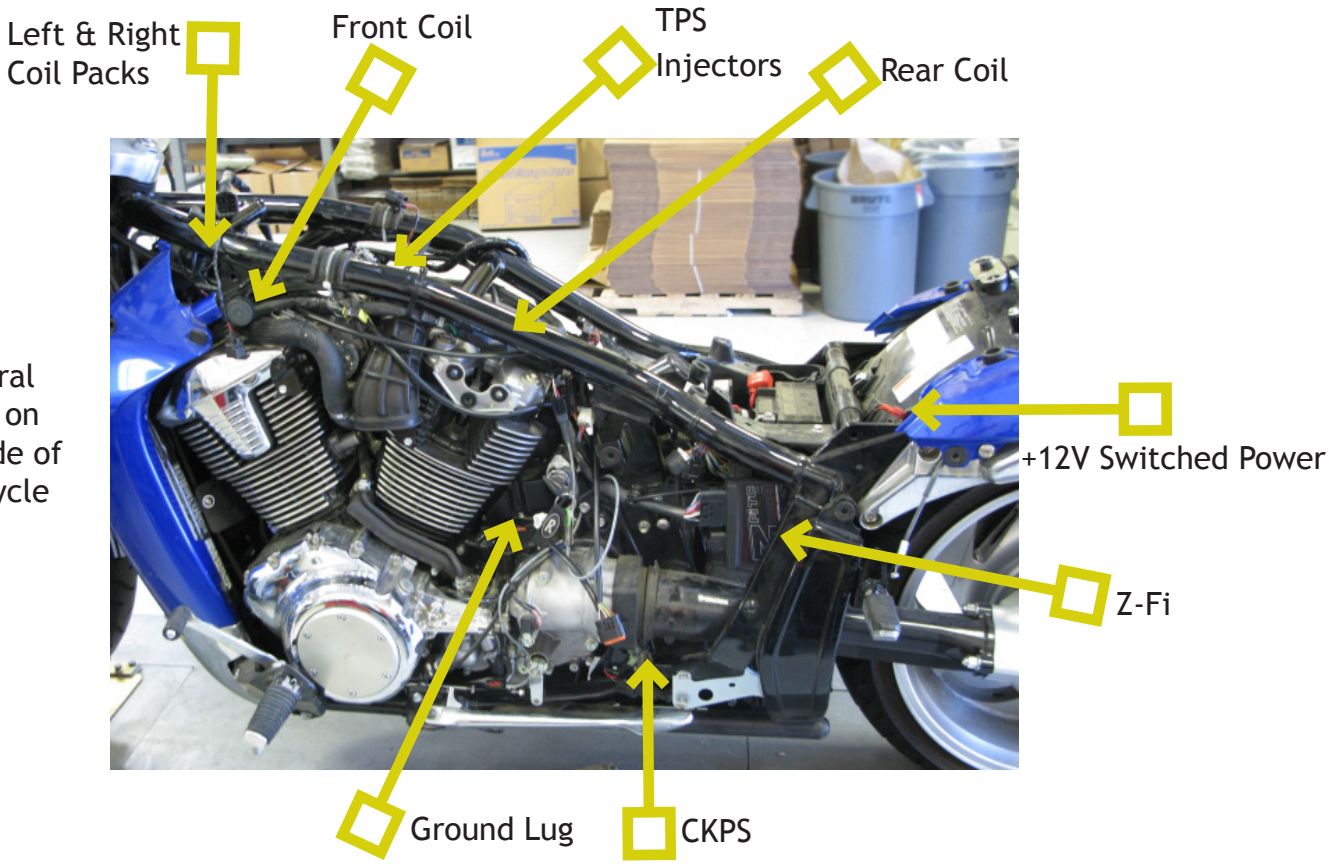
15330 Fairfield Ranch Rd., Unit E, Chino Hills, CA 91709 Phone (909) 597-8300 Fax (909)597-5580
www.Bazzaz.net

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

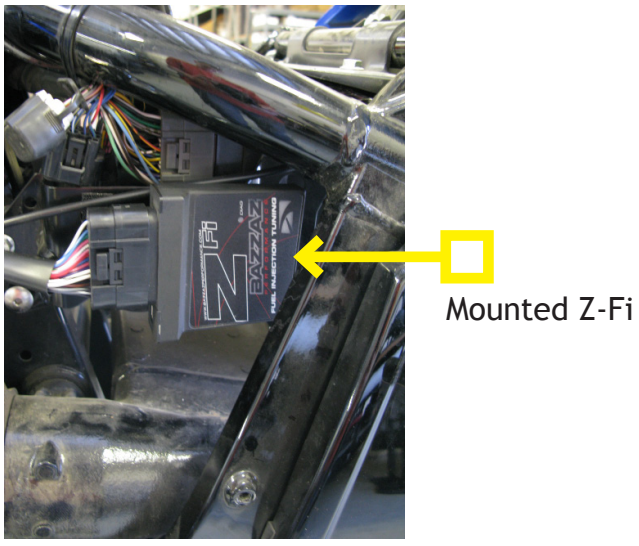


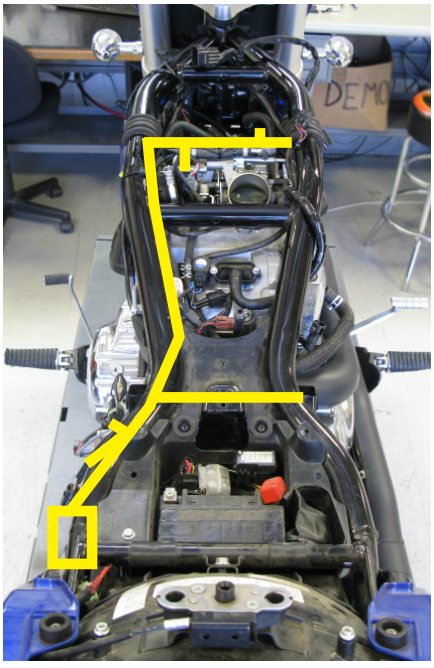
WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

1. Begin the installation by removing the seats, all side panels, and fuel tank. Then remove the air intakes and airbox.

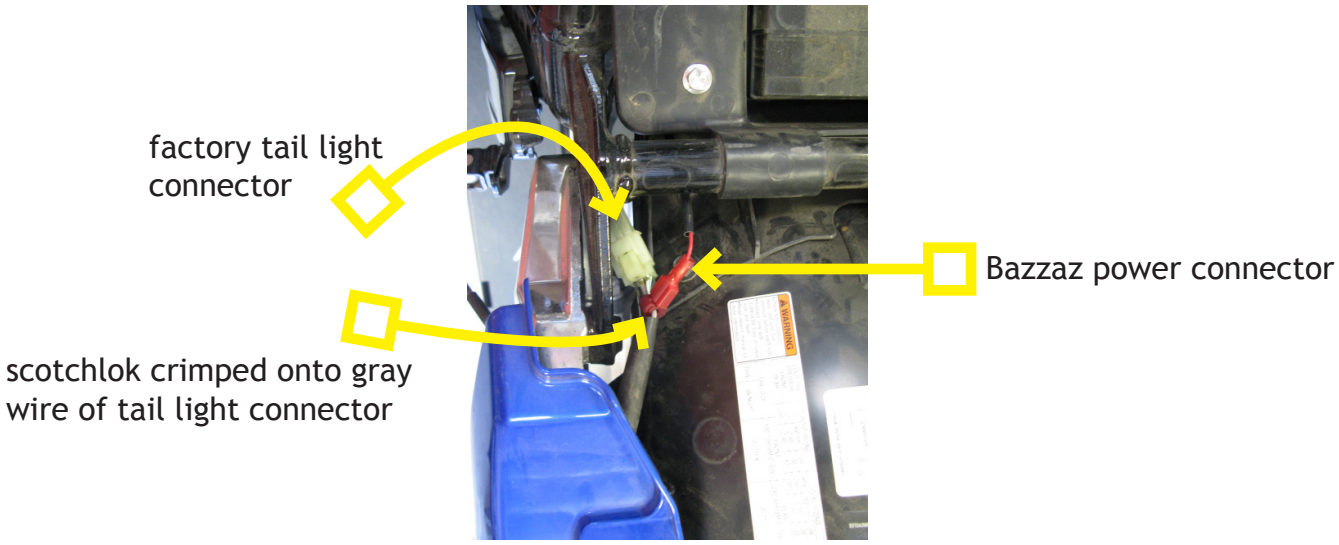


2. Using the supplied Velcro patch, attach the control unit to the left side of the motorcycle as shown. Then connect the main connector of the fuel harness to the control unit and begin routing the harness forward along the same path as the factory harness.

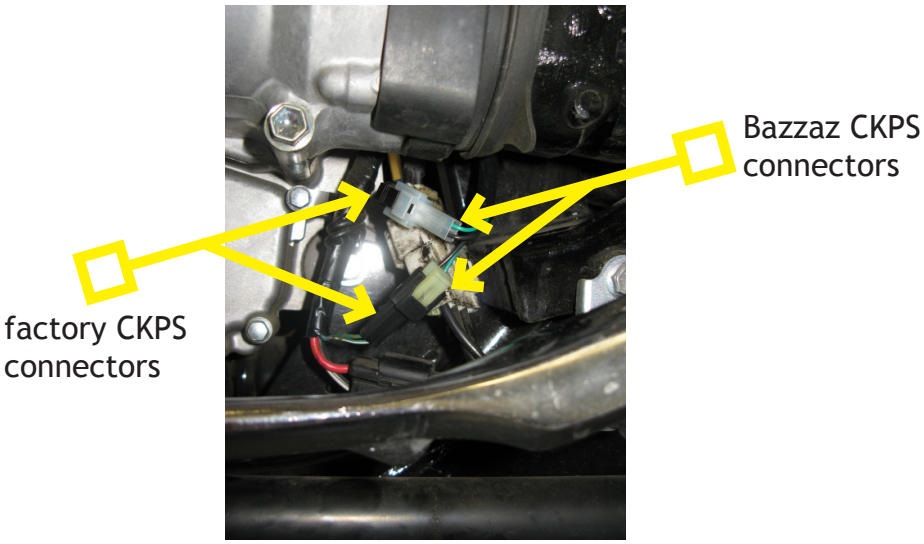




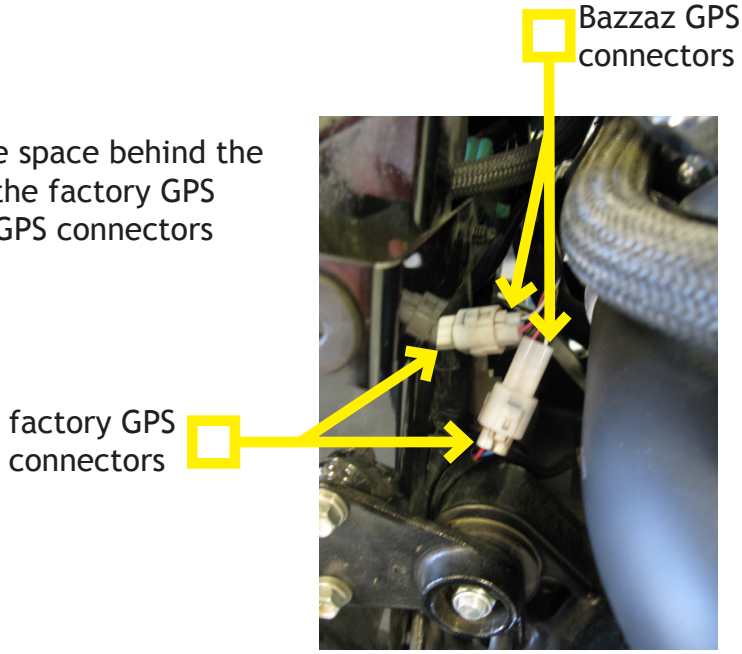
3. Route the Bazzaz power lead (orange sticker) back to the factory tail light connector, located along the frame on the left side of the motorcycle. Locate the large gray wire from the factory tail light connector and crimp a supplied scotchlok onto it. Now insert the Bazzaz power connector (red connector with red wire) into the scotch lok.

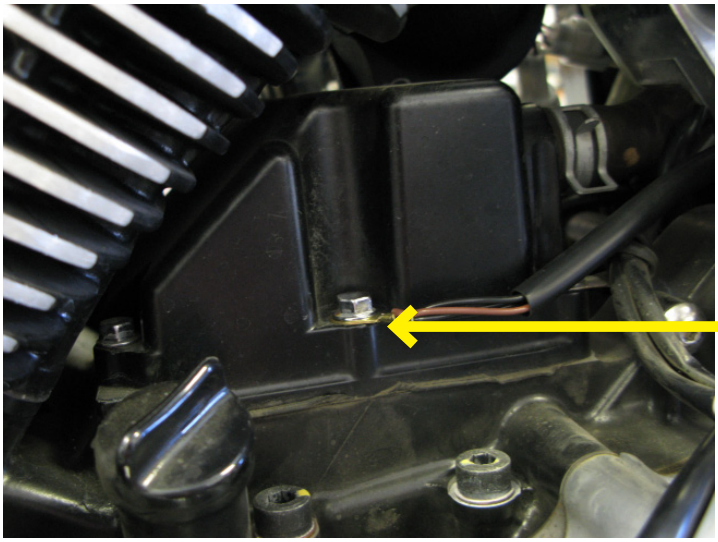


4. Next route the Bazzaz lead with the CKPS connectors down behind the drive shaft, to the factory CKPS connectors (black connectors). Unplug the factory connectors and plug the Bazzaz connectors inline with the factory connectors.



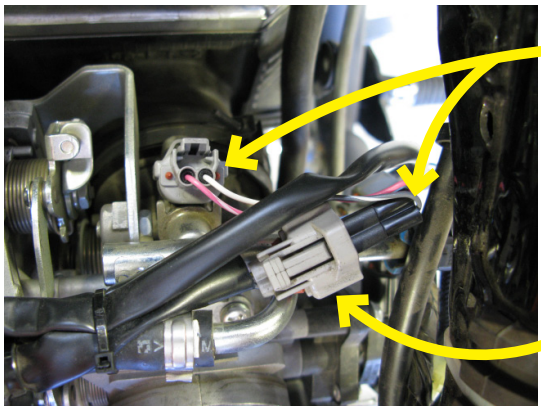
5. Now route the Bazzaz GPS connectors through the space behind the engine, to the right side of the motorcycle. Locate the factory GPS connectors (white connectors) and plug the Bazzaz GPS connectors inline with the factory connectors.

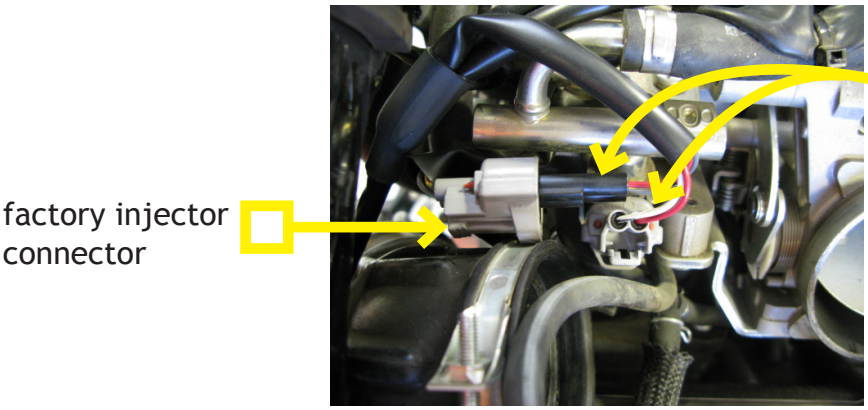




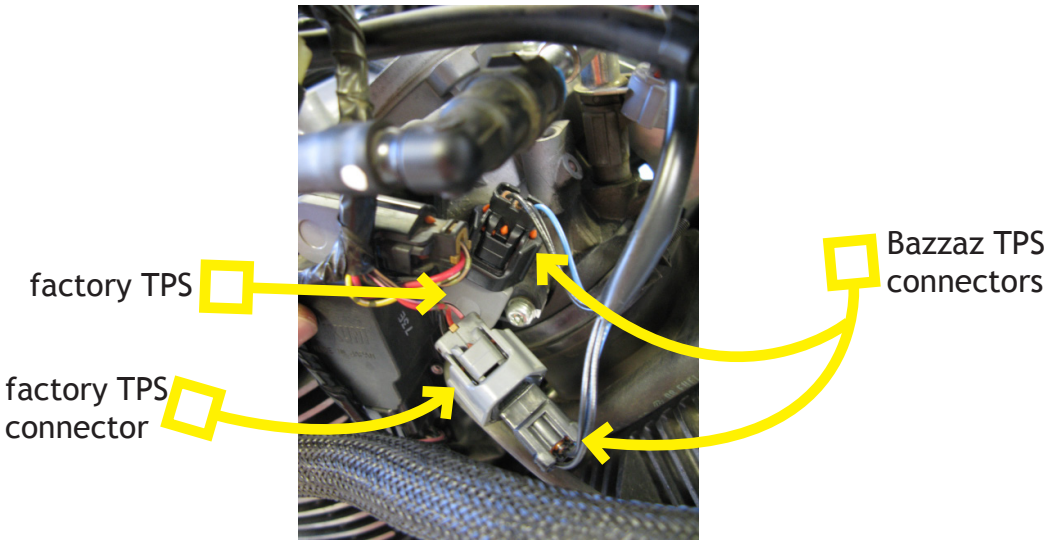
6. Attach the Bazzaz ground lug to a suitable chassis ground.

7. Route the rest of the Bazzaz fuel harness forward and up to the fuel injectors. Disconnect the factory fuel injector connectors from the injectors. Connect the Bazzaz fuel injector connectors (labeled rear cylinder and front cylinder) inline with the corresponding factory injector and connector; rear on the left, front on the right.

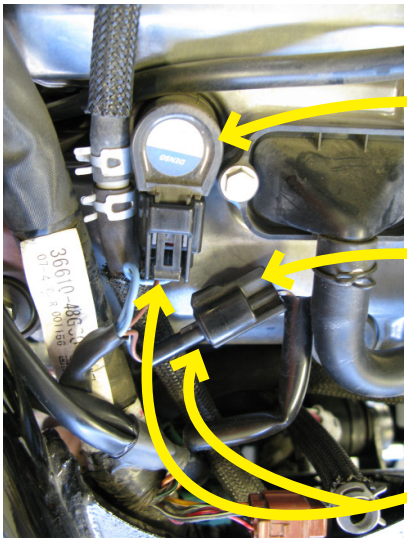




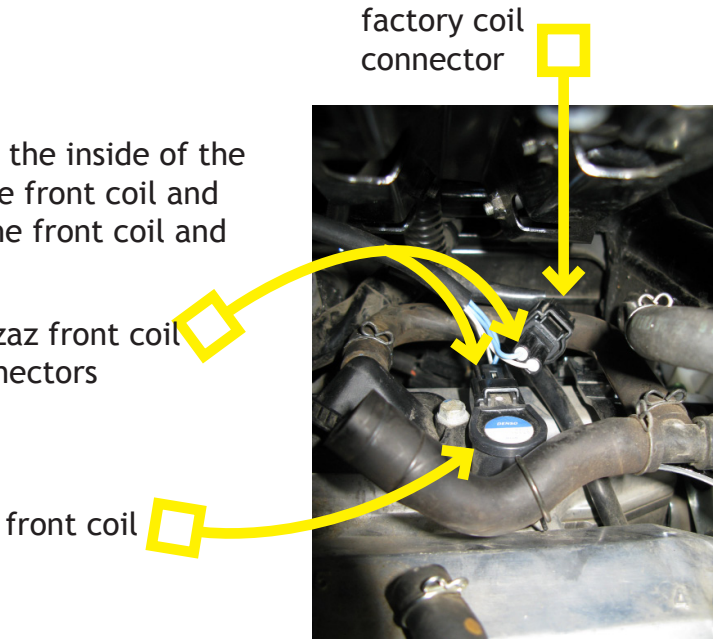
8. Locate the factory TPS on the right side of the throttle bodies. Disconnect the factory TPS connector (**gray** connector) and connect the Bazzaz TPS connectors in line between the factory connector and the TPS sensor.

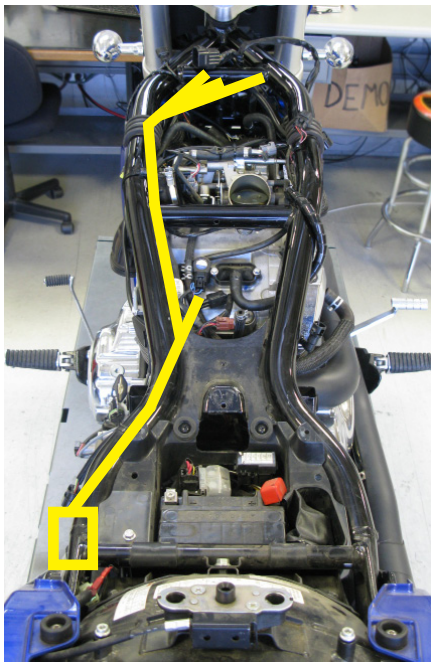


9. Now plug the main connector of the Bazzaz coil harness into the control unit and route the coil harness forward and up to the rear coil which is on top of the rear cyclinder. Disconnect the factory coil connector from the rear coil and connect the Bazzaz rear coil conectors inline with the rear coil and factory connector.



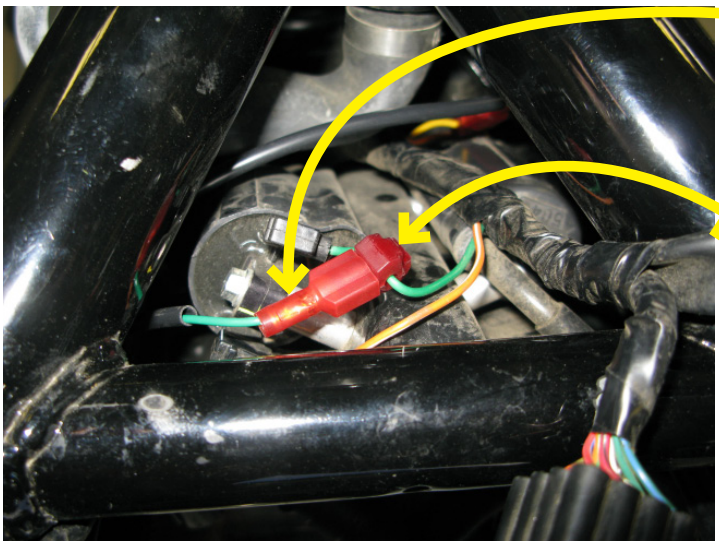
10. Continue to route the coil harness forward, along the inside of the frame. Disconnect the factory coil connector from the front coil and connect the Bazzaz front coil conectors inline with the front coil and factory connector.



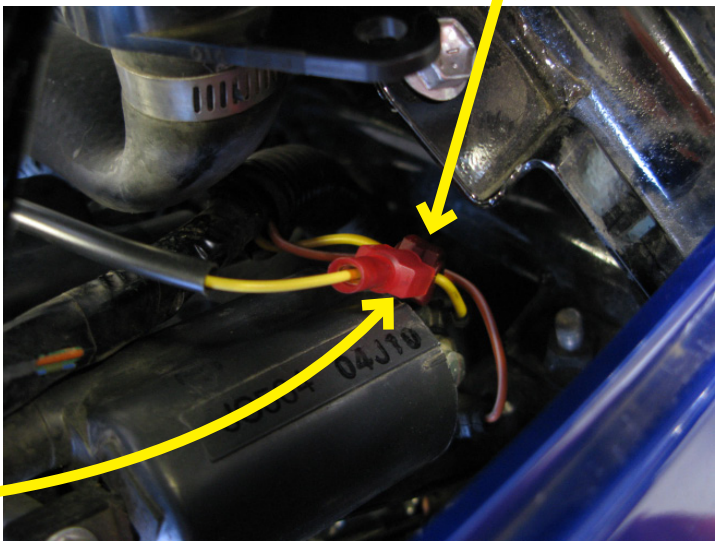


Bazzaz coil harness routing

11. Now locate the two coil packs in the front of the bike. The coil pack on the left side has an orange/ white wire and a green wire, while the coil pack on the right side has a orange/white wire and yellow wire. Crimp a supplied scotchlok onto the factory green and yellow wires. Insert the Bazzaz left side and right side coil connectors of the matching color wire into their respective scotchloks.

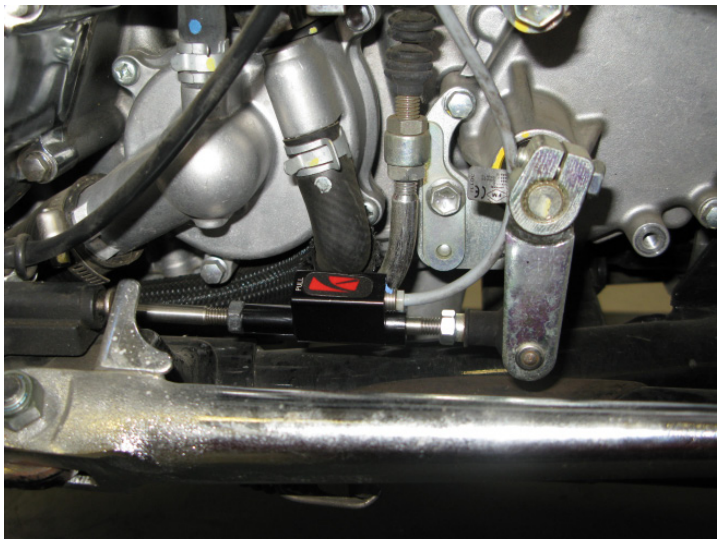


Left side coil pack:
Picture shows Bazzaz left side coil connector inserted into the scotchlok crimped onto the factory green wire.



Right side coil pack:
Picture shows Bazzaz right side coil connector inserted into the scotchlok crimped onto the factory yellow wire.

12. Now you will begin the installation of the shift switch; start by removing the factory shift rod and install the Bazzaz shift switch on the rear 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 front shift linkage. Secure components by tightening the 10mm nuts. Now route the shift switch connector up to the mating connector on the Bazzaz coil harness.



13. To complete the installation, use the supplied cable ties to secure the harness 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 instillation 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 controller is capable of storing two maps. These maps can be selected through the use of the 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.