



2008-2013 Aprilia Shiver 750
Z-Fi Installation Instructions
P/N F991

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 Control Unit

Fuel Harness

Download Z-Fi Mapper Software and its Instructions from website

Scotchlok (3)

O2 Eliminator (1)

Cable Ties

Velcro

USB Cable

Swingarm Stickers

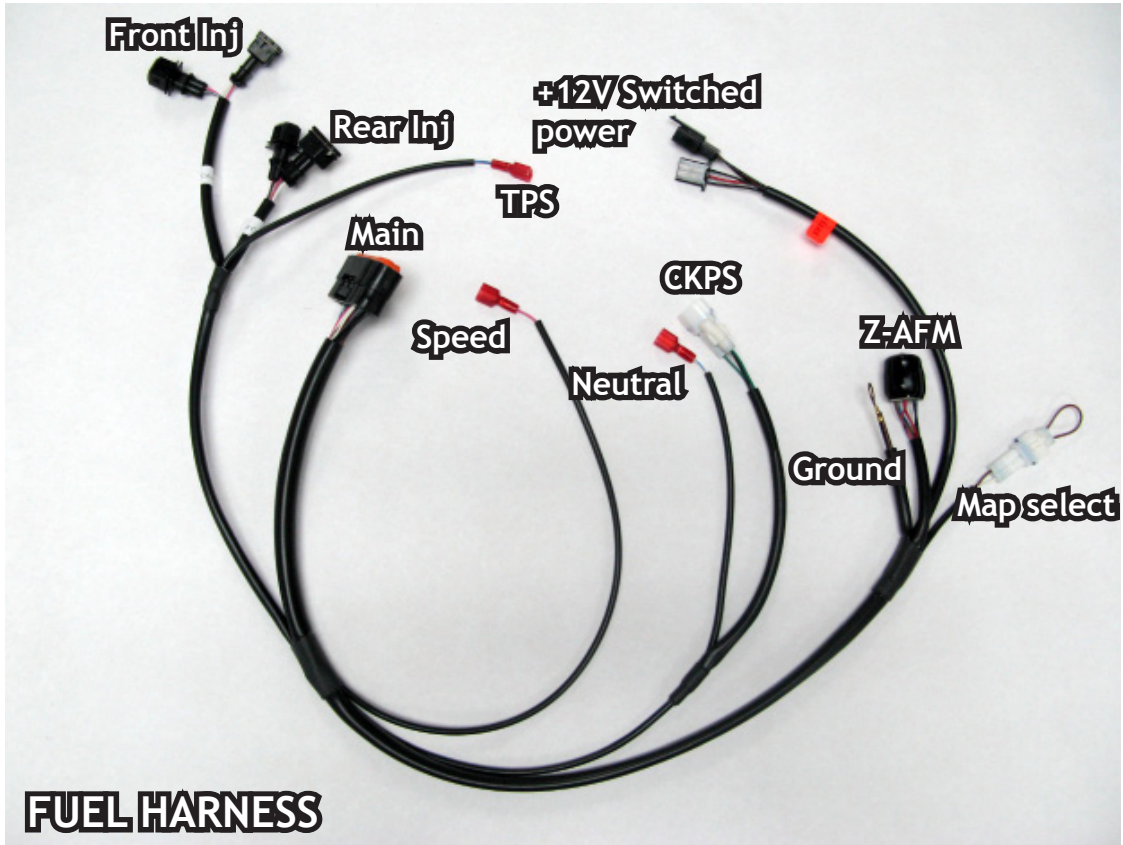


Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. For more specific stock component identification and location information refer to a factory service manual.

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

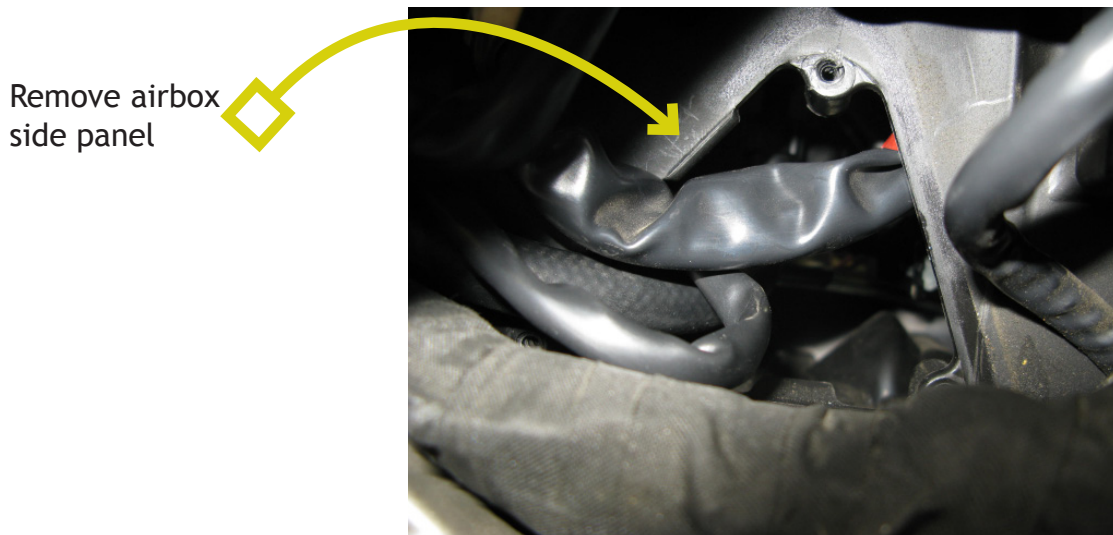
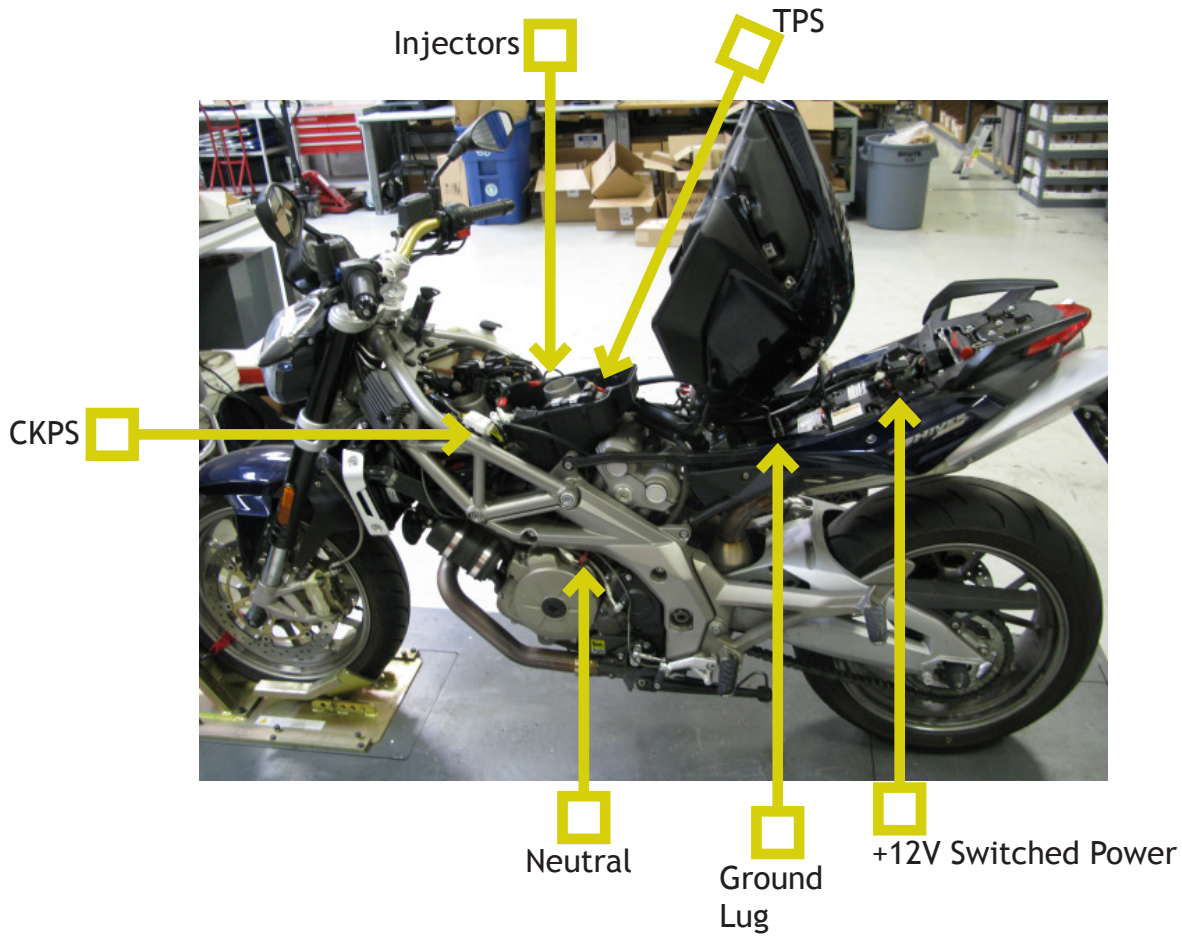
15330 Fairfield Ranch Rd., Unit E, Chino Hills, CA 91709 Phone (909) 597-8300 Fax (909)597-5580
www.Bazzaz.net

BAZZAZ HARNESS CONNECTOR IDENTIFICATION



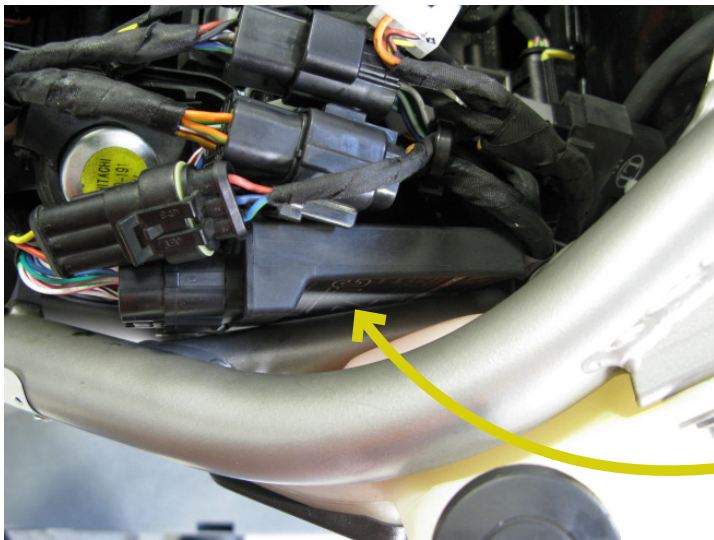
**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN
INSTALL THIS BAZZAZ PRODUCT**

1. Begin the installation by removing the seat, side panels, and battery. Lift up the tank and remove the top half of the airbox, and the small side panel where the stock wiring harness enters the airbox.



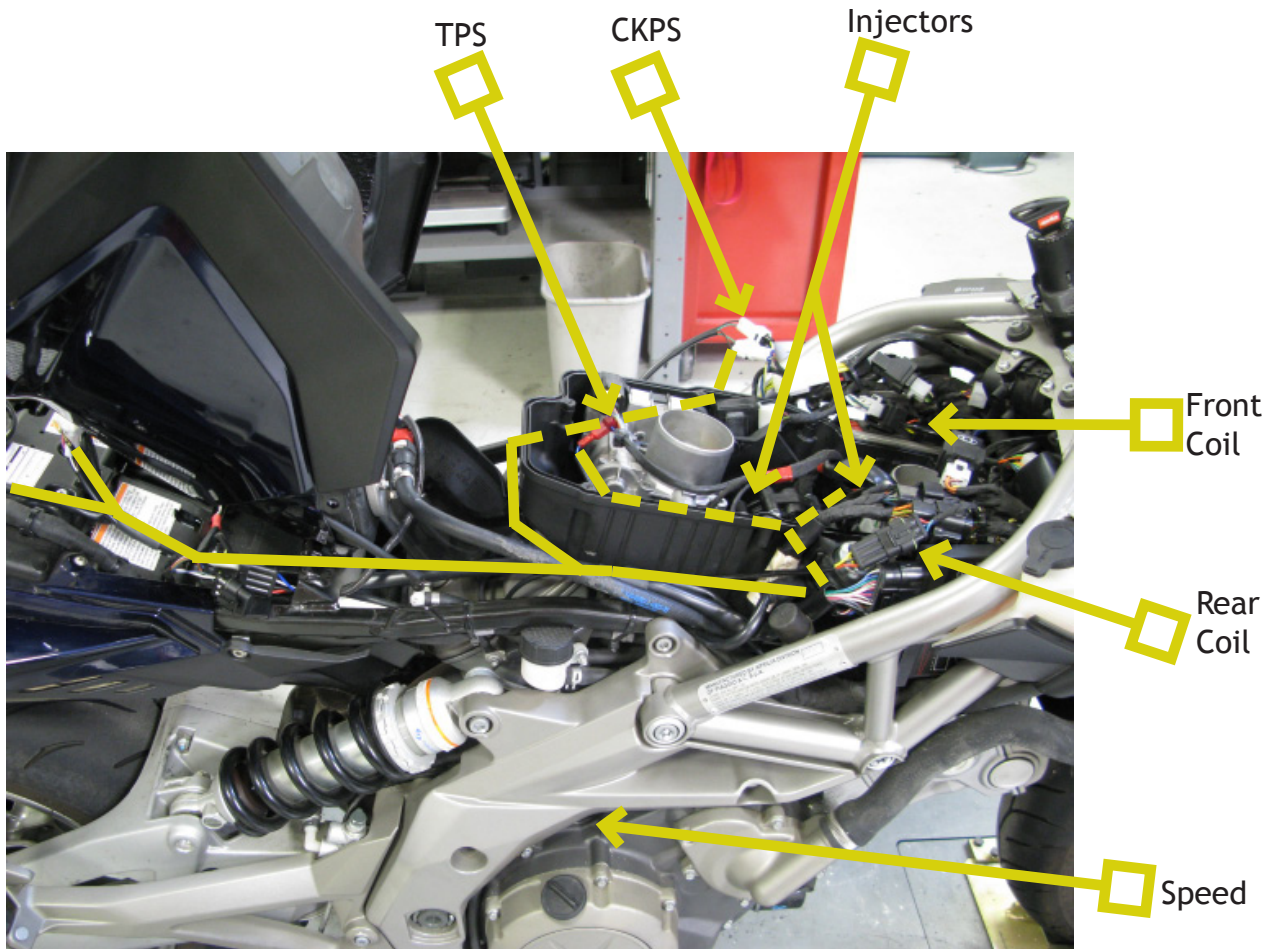
2. Next you will need to remove the top bracket that is secured between the front and rear throttle bodies. This will give you access to the injectors.

3. Place the Bazzaz control unit on the right side of the airbox and secure it using the supplied Velcro patch, between the airbox and the frame.



Bazzaz control unit

4. Connect the Bazzaz fuel harness to the control unit and begin routing the harness following along the factory harness towards the tail. The section of the Bazzaz harness with the injector connectors and TPS connector will back-track forward and into the airbox, following the factory harness; the section of the harness with the CKPS and neutral connectors routes around the rear of the airbox.



TPS

CKPS

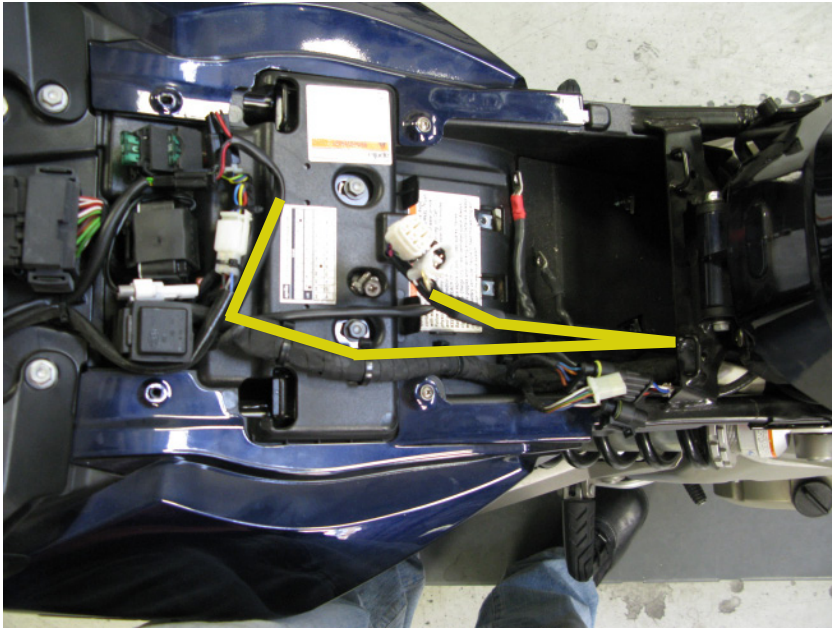
Injectors

Front Coil

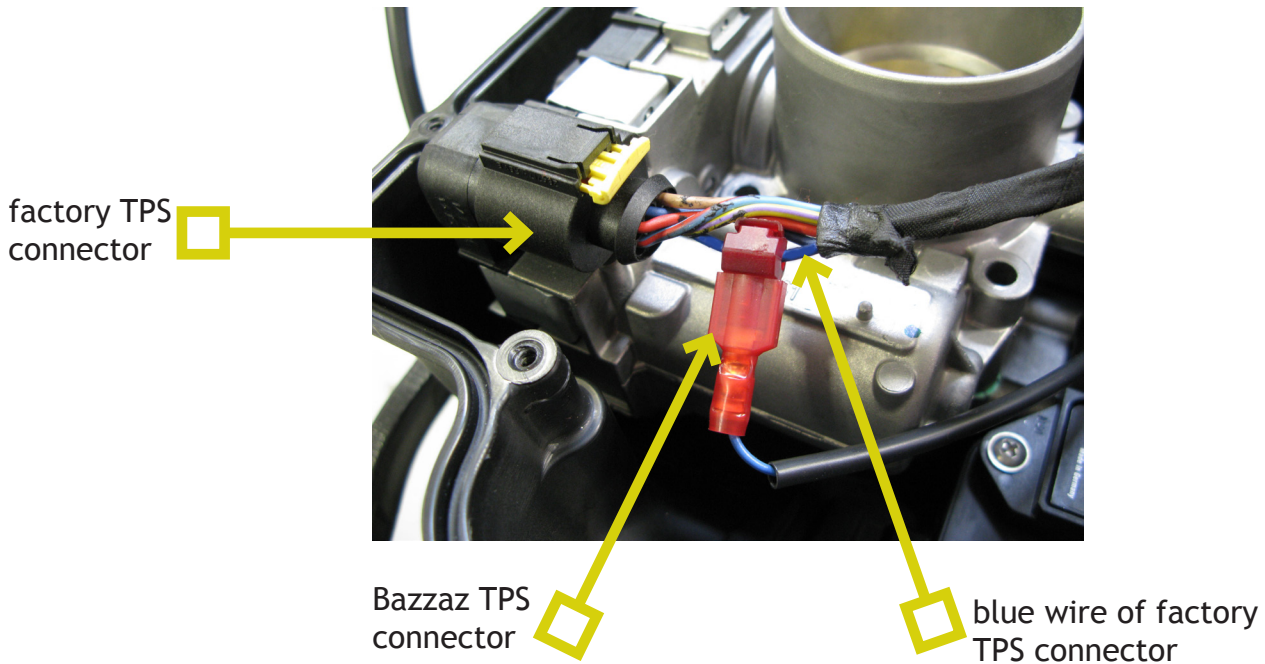
Rear Coil

Speed

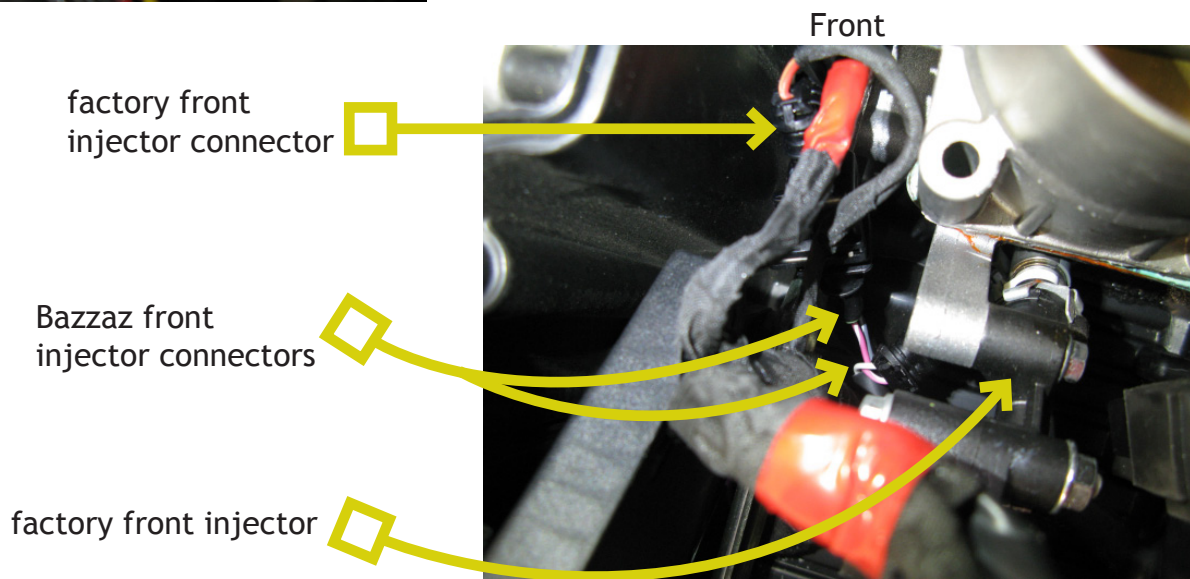
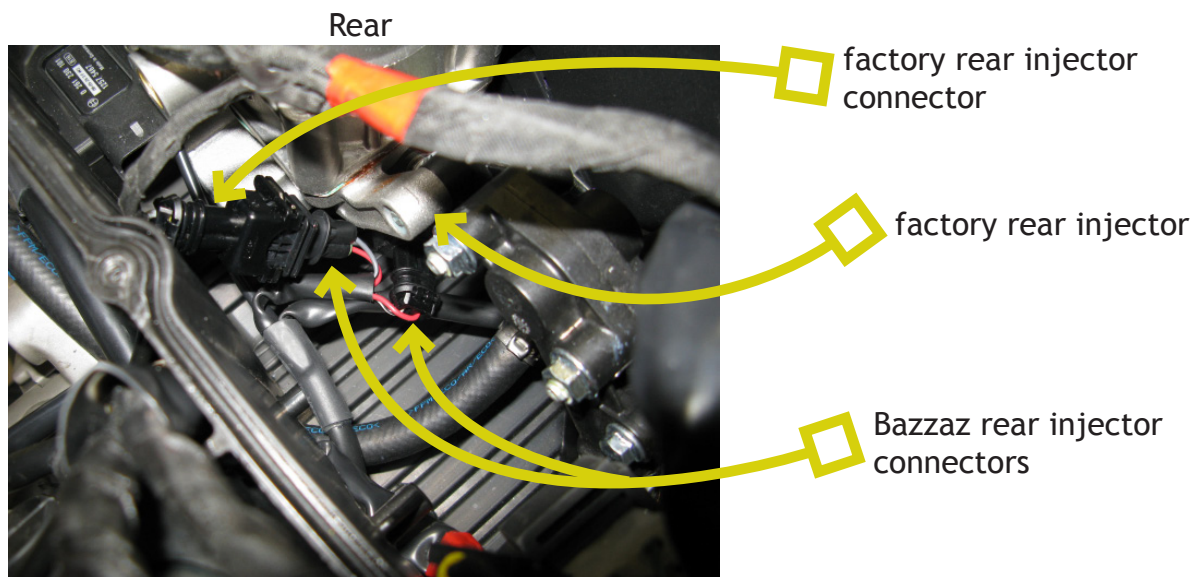
5. The remaining section of the wiring harness will route under the tank and through the battery tray, to the tail of the bike.



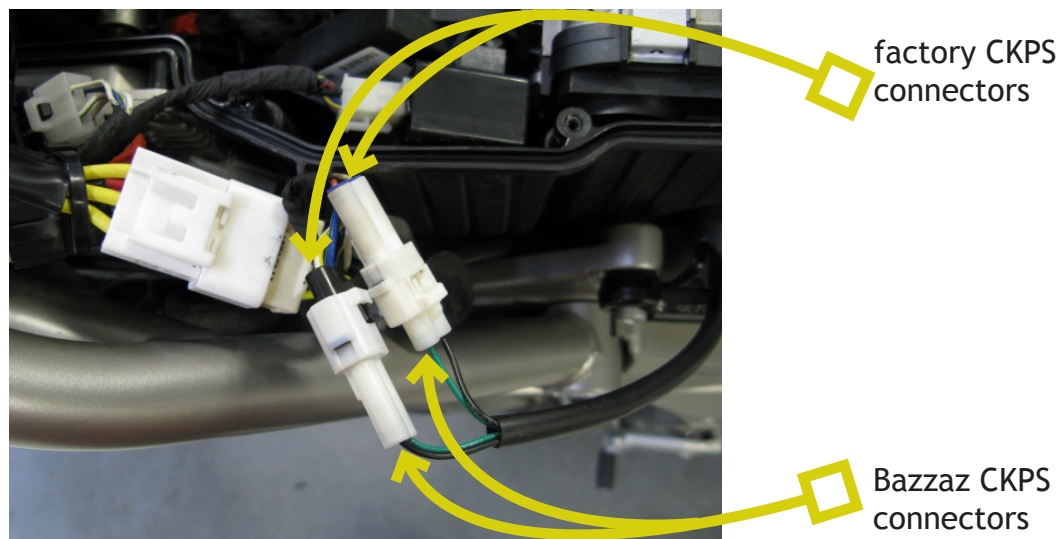
6. Now locate the factory TPS connector inside the airbox (at the rear). Crimp a supplied Scotchlok onto **pin 1** (as numbered on back of the factory connector) of the rear TPS connector. Insert the Bazzaz TPS connector (red connector with blue wire) into the Scotchlok.



7. Next disconnect the factory rear injector connector and plug the Bazzaz rear injector connectors in-line between the factory connector and injector (Bazzaz injector connectors are labeled). Then repeat the process for the front injector.



8. Locate the factory CKPS connectors on the left side of the airbox. Disconnect the factory connectors and plug the Bazzaz CKPS connectors in-line with the factory connectors.

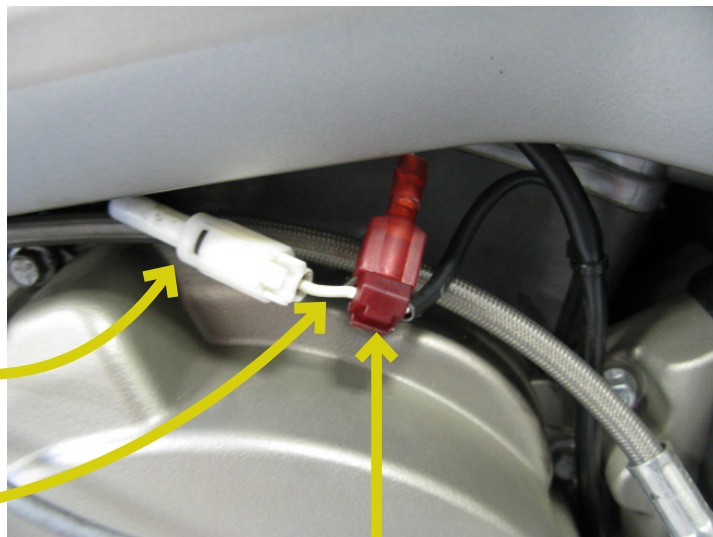


9. Now route the Bazzaz neutral connector down to the factory neutral connector, just above the left case cover. Crimp a supplied Scotchlok onto the **white** wire of the factory connector; then insert the Bazzaz neutral connector (red connector with blue/white wire) into the Scotchlok.

factory neutral connector

white wire of factory connector

Bazzaz neutral connector



10. Route the Bazzaz speed connector down the right side of the engine and to the top of the right side case cover. Locate the section of the factory harness leading from the factory speed sensor, located on the right rear of the transmission. Cut the factory harness sheathing open to expose the wire and crimp a supplied Scotchlok onto the **gray/white** wire.

Then insert the Bazzaz SPD connector (red connector with pink wire) into the Scotchlok.

exposed gray/white factory wire

Bazzaz speed connector



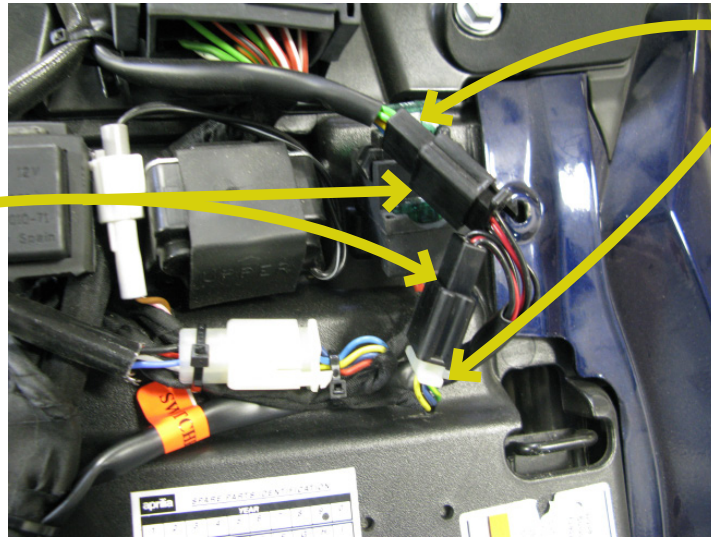
11. Now re-install the battery and connect the Bazzaz ground lug to the negative terminal while doing so.

Bazzaz ground



12. Locate the factory tail light connectors and disconnect. Connect the Bazzaz +12V switched power connectors (orange label on Bazzaz fuel harness lead) in-line between the factory connectors.

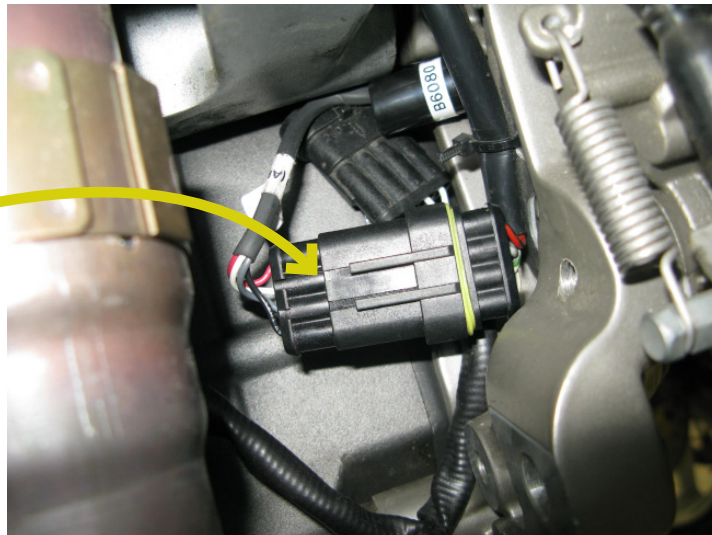
Bazzaz +12V Switched Power connectors



factory tail light connectors

13. The Shiver is equipped with a lambda/O2 sensor. This sensor must be bi-passed through the use of the O2 eliminator supplied with the kit. Disconnect the factory harness from the sensor. Install the Bazzaz O2 eliminator in it's place and attach the O2 eliminator ground lug to a chassis ground. Be sure to secure the eliminator and factory sensor lead away from any hot or moving components which could cause damage to the components.

Bazzaz O2 eliminator



14. 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 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 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.

