BAZZAZ®

2010-2012 BMW R1200GS
Z-Fi Installation Instructions
P/N F1081

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)
Cable Ties
USB Cable
Velcro Patch
Swingarm Stickers

Upon installing the system verify you have selected the proper map. The control unit supplied with this kit has been pre-programmed with two fuel maps. Map 1 is a power map, 12.5 AFR.
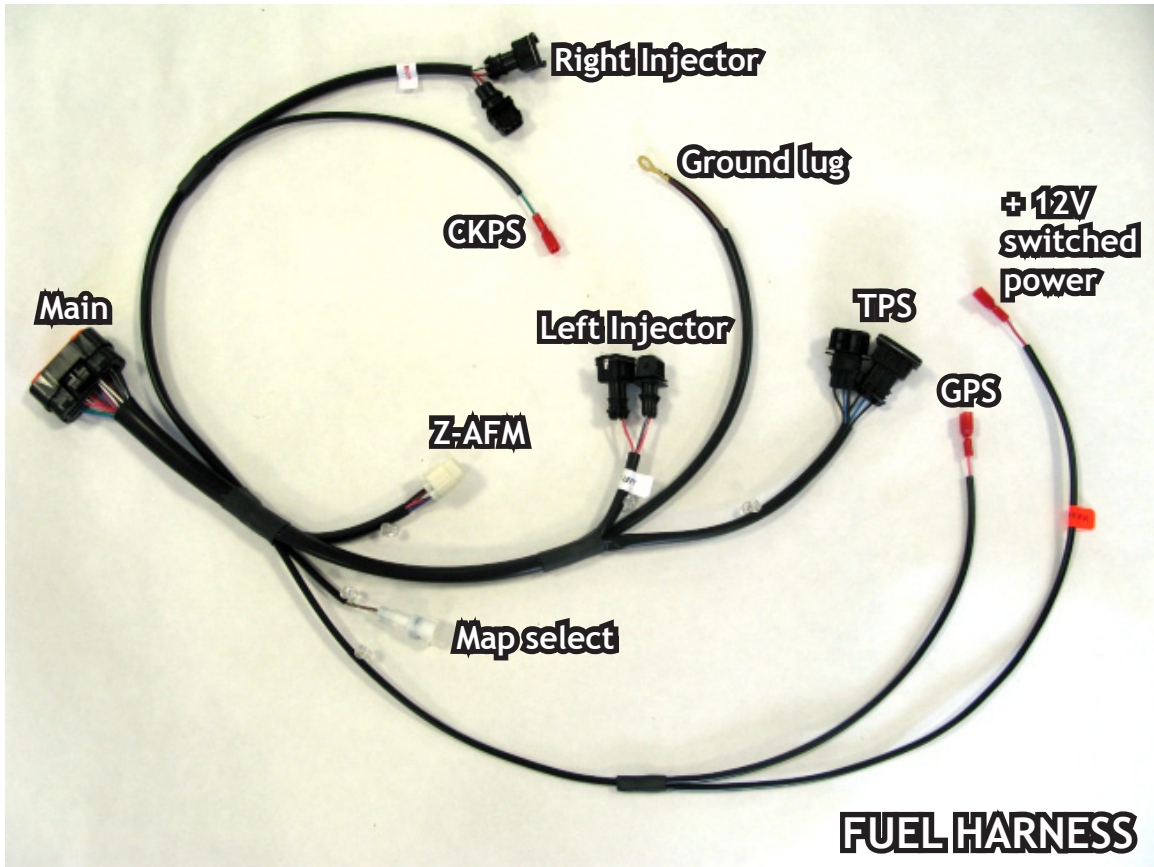**Map 2 is a fuel economy map, 13.0 AFR.**

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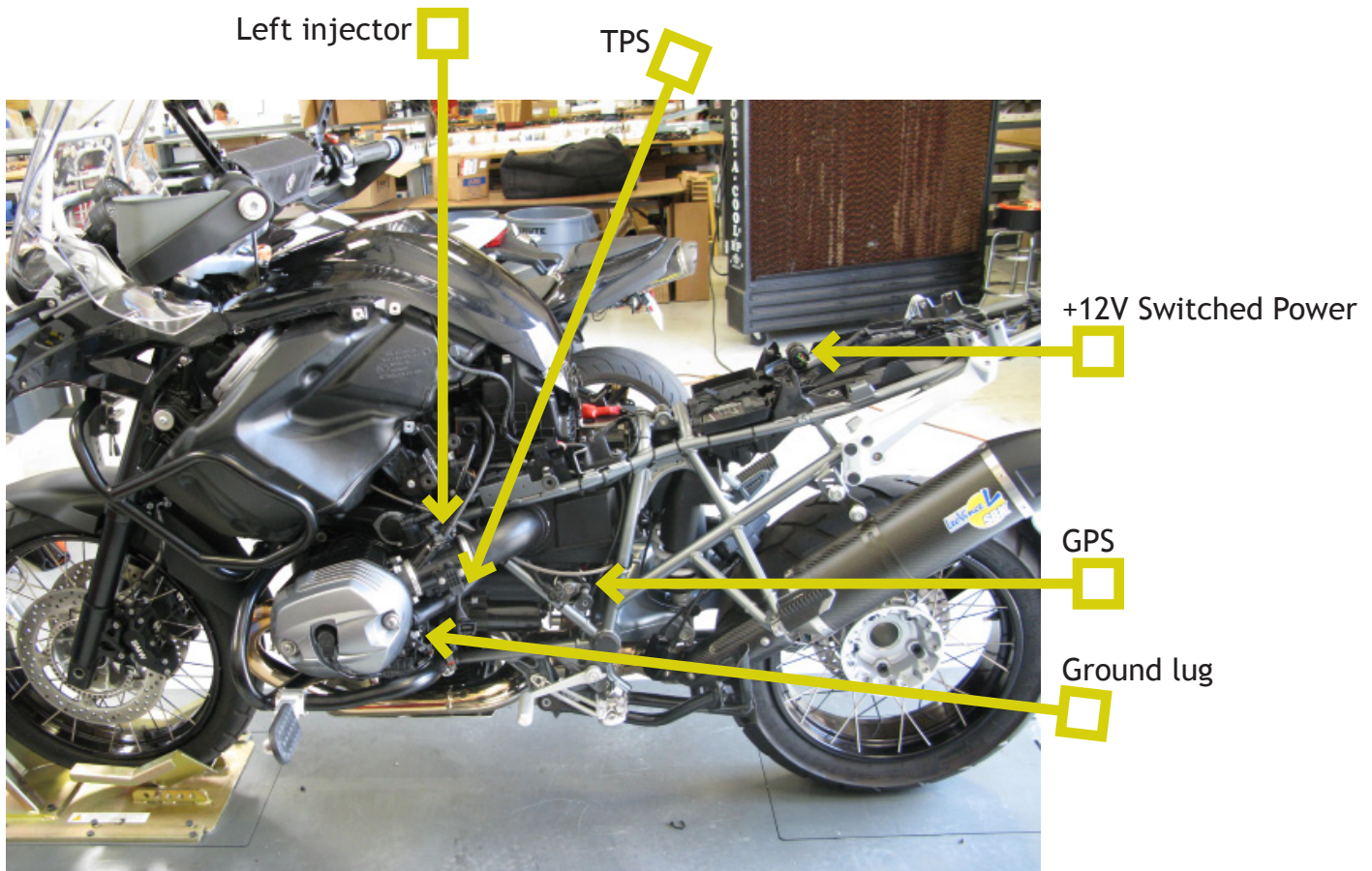
15330 Fairfield Ranch Rd., Unit E, Chino Hills, CA 91709   Phone (909) 597-8300 Fax (909)597-5580
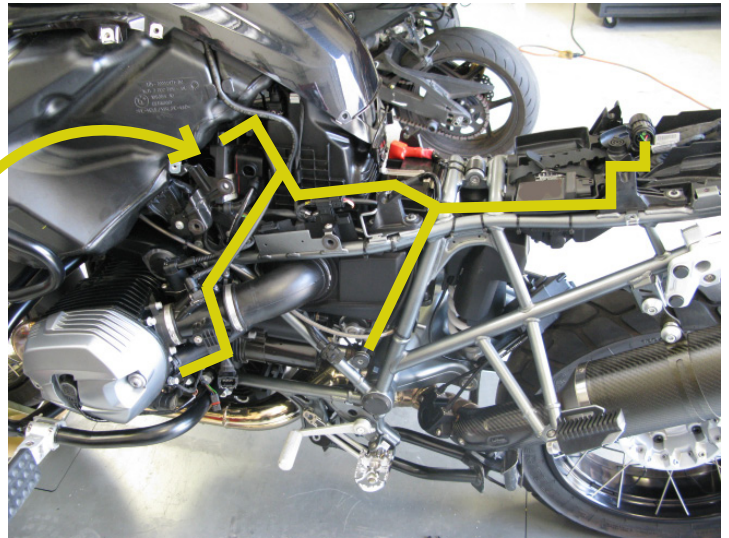www.Bazzaz.net

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

Right Injector

Ground lug

+ 12V switched power

CKPS

Main

TPS

Left Injector

GPS

Z-AFM

Map select

FUEL HARNESS

1. Begin the installation by removing the following components: seats, all side panels. Exhaust servo and charcoal canister will need to be moved out of the way.

CKPS

Right injector

Left injector

TPS

+12V Switched Power

GPS

Ground lug

2. Mount the control unit under the tank, against the fuse box using the supplied Velcro patch. Connect the fuel harness main connector to the control unit. Route the portion of the fuel harness with the right side injector and CKPS connector through to the right side of the bike. Route the portion with the GPS and +12V switched power connector toward the rear of the bike and next to the battery. The remaining portion can hang on the left side for now.
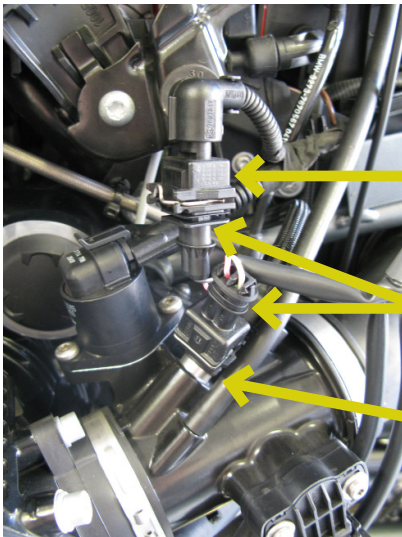
Bazzaz control unit

3. Locate the left side injector, on top of the throttle body. Unplug the factory injector connector and plug the Bazzaz injector connectors in line between the factory connector and injector.

factory injector connector

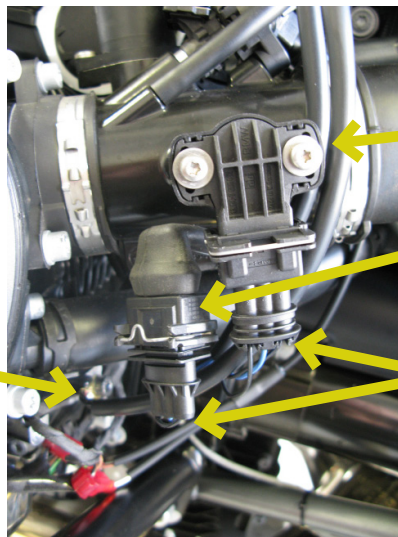Bazzaz injector connectors

factory injector

4. Locate the TPS connector, just below the left side injector. Unplug the factory connector and plug the Bazzaz connectors in line between the factory connector and the TPS.
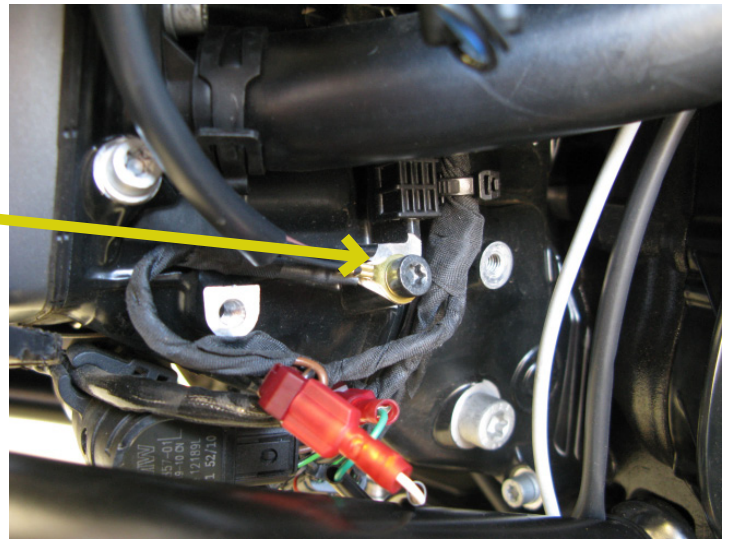
TPS

factory TPS connector

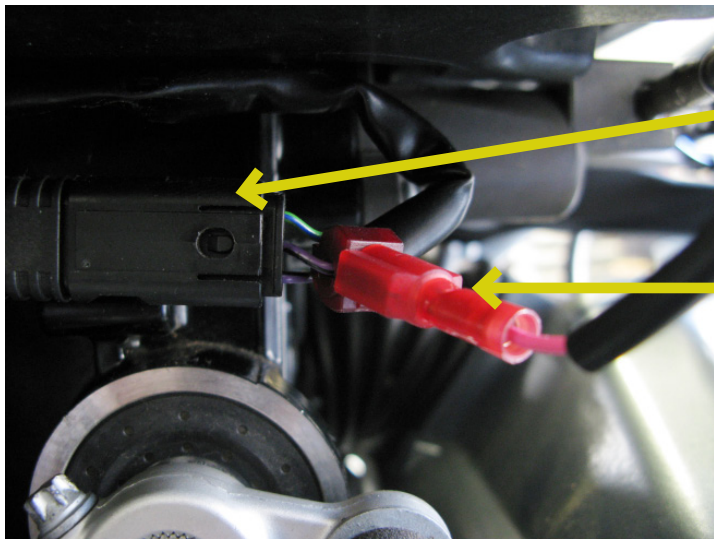ground lug (step 5)

Bazzaz TPS connector

5. Route the Bazzaz fuel harness ground lug past the TPS and attach it at one of the bolts on the side of the cylinder; we recommend using the same bolt that the coils' ground wire goes to.

Bazzaz ground

6. Next route the Bazzaz GPS connector down to the factory GPS connector, found just in front of the rear wheel, behind the exhaust servo (moved out of the way in step 1). Crimp a supplied scotchlok onto the middle purple/black wire of the factory GPS connector, and insert the Bazzaz GPS connector (red connector with pink wire) into the scotchlok.
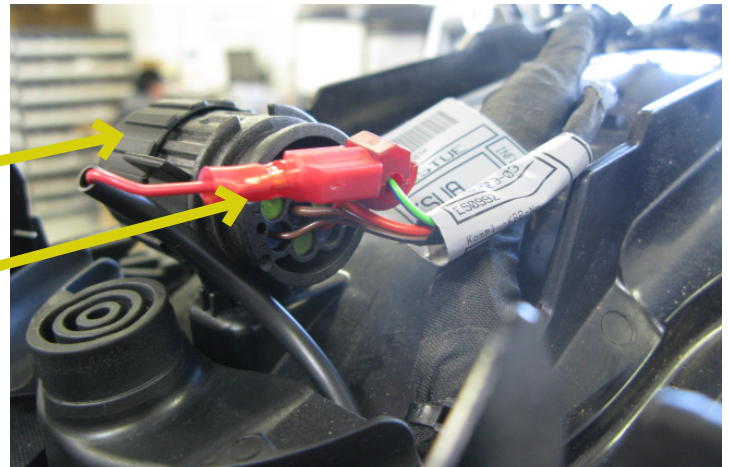
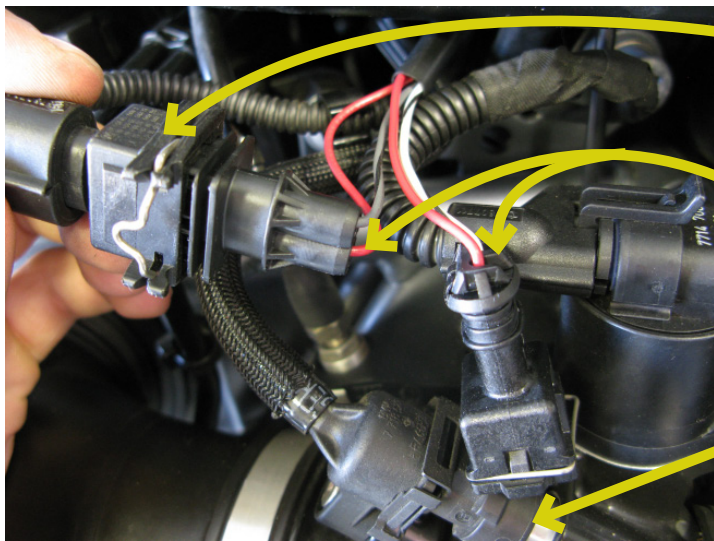factory GPS connector

Bazzaz GPS connector

7. Now route the Bazzaz +12V switched power connector (labled with an orange tag on fuel harness) to the rear of the rider seat area and to the factory diagnostic connector (large round black connector). Crimp a supplied scotch lok onto the green/blue wire of the diagnostic connector and insert the Bazzaz +12V switched power (red connector with red wire) into the scotchlok.

factory diagnostic connector

Bazzaz +12V switched power connector

8. Route the right side injector connectors under the air intake tube to the injector on top of the throttle body. Disconnect the factory injector connector and plug the Bazzaz connectors in line between the factory connector and injector.
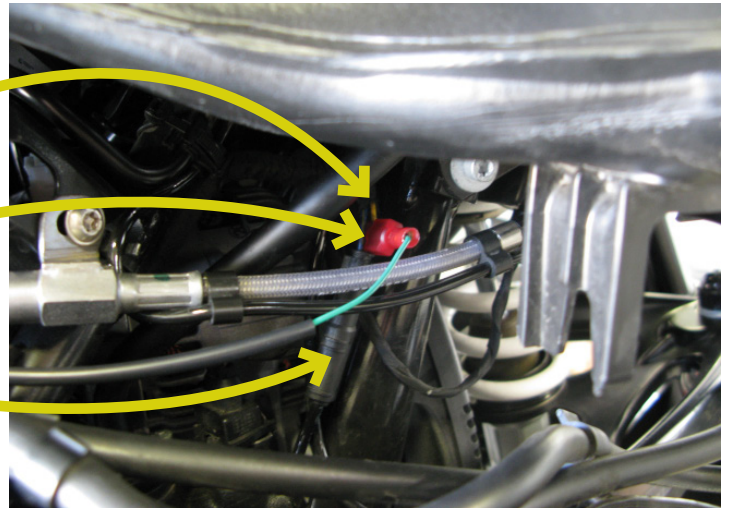
factory injector connector

Bazzaz injector connectors

factory injector

9. Route the Bazzaz CKPS connector to the front, right side of the bike. Located behind the charcoal canister (moved out of the way in step 1), is the factory CKPS connector. Crimp a supplied scotchlok onto the yellow wire of the factory connector and insert the Bazzaz CKPS connector (red connector with green wire) into the scotchlok.

factory yellow wire

Bazzaz CKPS connector

factory CKPS connector

10. To complete the installation, use the supplied cable ties to secure the Bazzaz and factory harness 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.

Map 1

Map 2