

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Z-Fi

FUEL MANAGEMENT

**BMW R1200GS | 2015-2016
F1086**

1>READ

WARNINGS > INSTALLING



- We strongly suggest that an experienced technician install this product.
- Read through all instructions before beginning installation.
- This document is intended for use by qualified technicians.
- This is not a replacement for the Engine Control Unit (ECU).
- Refer to a factory service manual for more specific stock component identification/location information and removal/assembly procedures.

WARNINGS > USING



- 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.

GETTING HELP



- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. Scotchloks (3)
4. USB cable
5. Swingarm stickers
6. Download software from Bazzaz.net

FUEL HARNESS

1. Main
2. ZAFM
3. Map Select
4. Ground
5. TPS
6. Left Injector
7. CKPS
8. Right Injector
9. +12v Switched Power

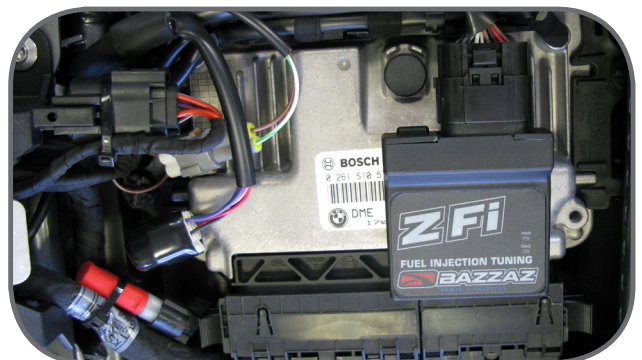


3>REMOVE

1. Rider seat
2. Passenger seat

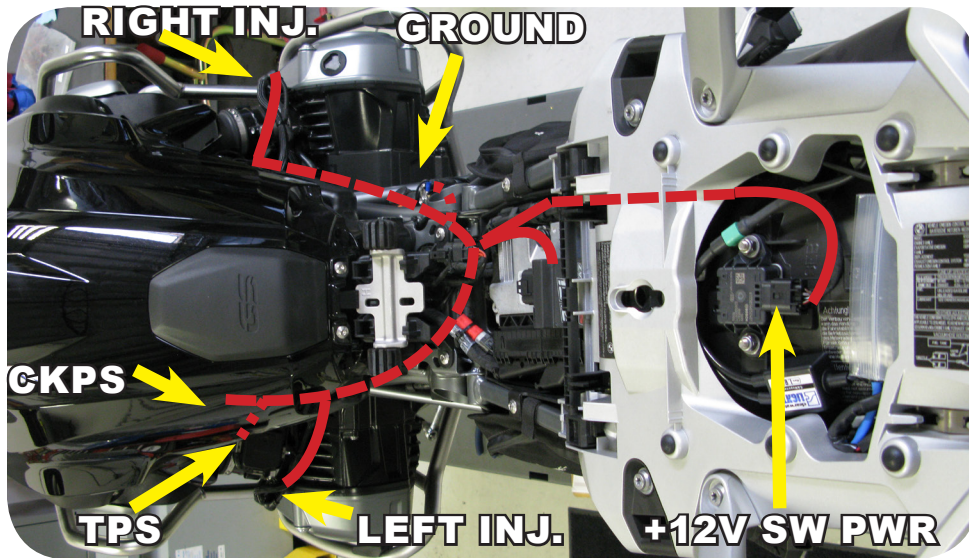
4>SECURE

1. Secure the Bazzaz control unit beneath the rider seat, on top of the factory ECU.



5>ROUTING

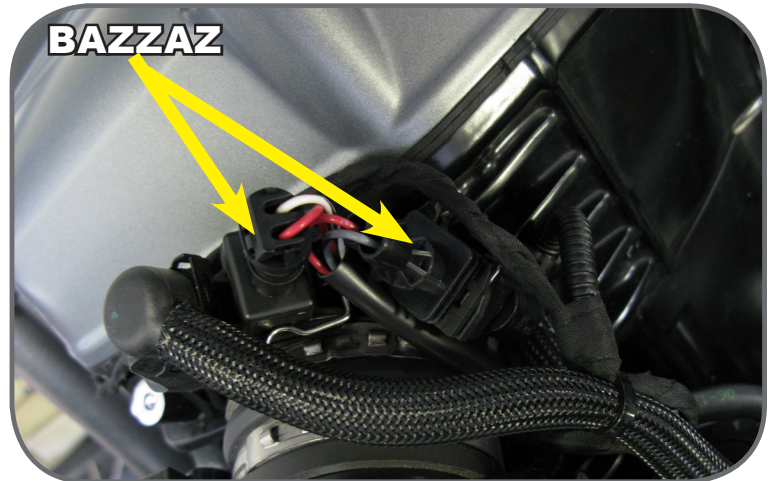
1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the below picture.



6>CONNECT

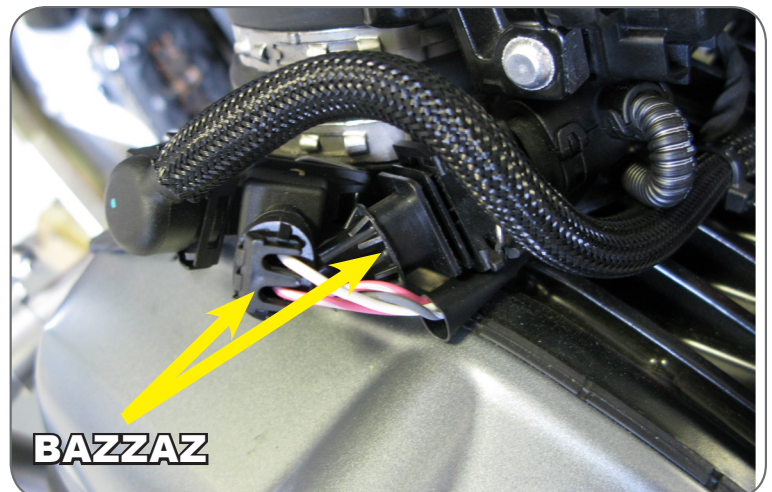
6.1

1. Locate the factory right injector connector, which can be located on top of the right cylinder near the end of the cylinder.
2. Disconnect the factory injector connector and install the Bazzaz right injector connectors inline.



6.2

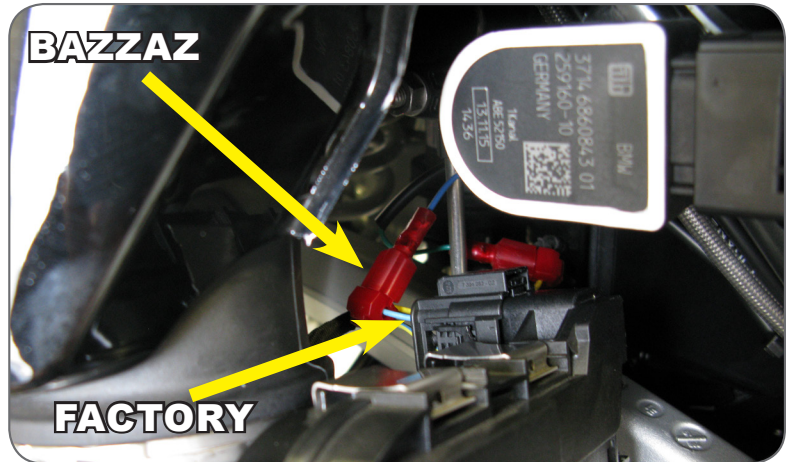
1. Locate the factory left injector connector, which can be found on top of the left cylinder near the end of the cylinder.
2. Disconnect the factory injector connector and install the Bazzaz left injector connectors inline.



6>CONNECT (CONT.)

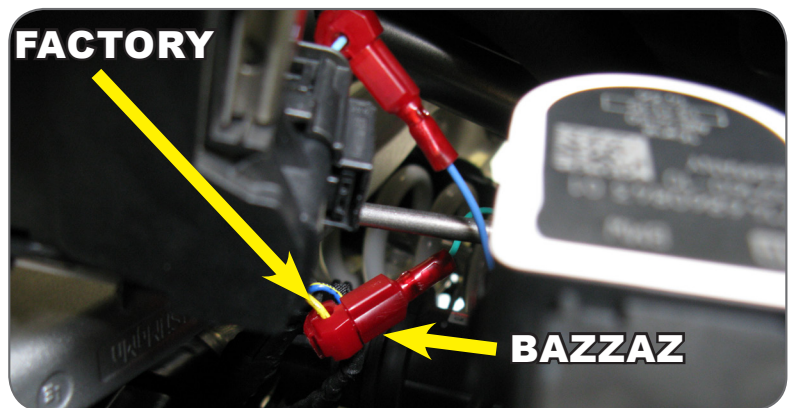
6.3

1. Locate the factory TPS on the left cylinders' throttle body and separate the factory light blue wire.
2. Use the supplied scotchlok to crimp on to the factory light blue wire and installed the Bazzaz TPS connector.



6.4

1. Locate the factory CKPS connector on the left hand side of the bike mounted to the airbox.
2. Separate the factory yellow wire and use the supplied scotchlok to crimp onto the yellow wire.
3. Install the Bazzaz CKPS connector.



7>GROUND

7.1

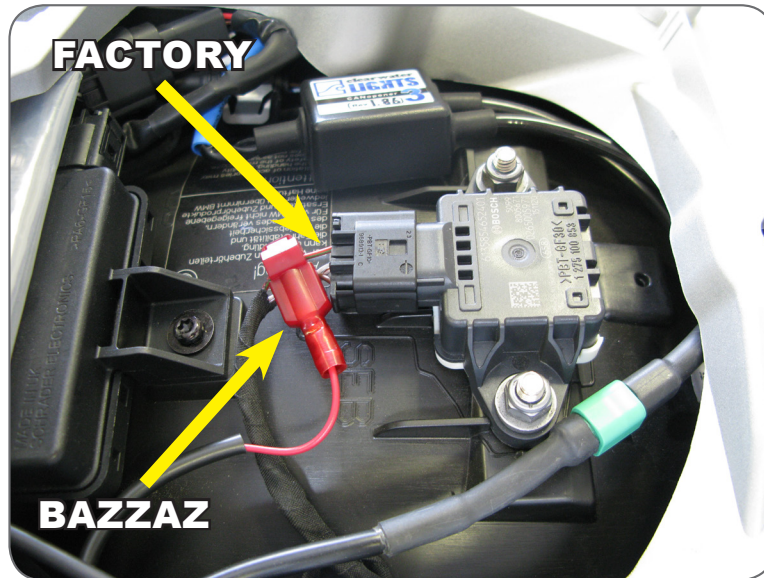
1. Locate the Bazzaz ground lug and the factory negative terminal.
2. Install the Bazzaz ground lug and tighten the negative battery terminal bolt



8>+12V SW. POWER

8.1

1. Locate the Bazzaz switched power connector and begin to route it towards the back of the bike beneath the passenger seat.
2. Locate the sensor and separate the orange/green wire.
3. Use the supplied scotchlok to crimp onto the orange/green wire and install the Bazzaz switched power connector inline



9>SECURE



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).

10>CHECK

1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at bazzaz.net.
2. Plug the USB cable into the control unit and computer.
3. Locate and open the Z-Fi Mapper software.
4. Check that the pre-programmed map matches the model of your bike on the fuel map page within the software. You can switch from map 1 to map 2 by unplugging the map select jumper on the Bazzaz fuel harness. Map 1 will be pre-programmed; depending on your model, there may be a pre-programmed map in the map 2 slot. If map 2 is blank, stock ECU settings are used. Make sure that the jumper is left plugged in or unplugged, depending on which map you choose.

10>CHECK

(CONT.)

5. Start the vehicle and begin to check that the following inputs read correctly on the fuel map page.
 - RPM - Make sure that the RPM is reading near what the vehicle is idling at.
 - GPS - The vehicle should read neutral (or whichever gear it is in). For motorcycles that use a Gear Position Sensor, the bike does not need to be running to do this. For motorcycles that use a speed sensor, the wheel must be spinning to read gear properly. This can be checked on a dynamometer or by using a rear stand. Use caution when testing componentry.
 - TPS - When throttle is applied, the TPS should read accordingly. Fly-by-wire models must be running to check TPS. Normal cable operated throttles can be checked with just the key on, not running.

Also use software to:

- View and/or make adjustments to fuel maps
- Activate Z-AFM self mapper (sold separately)
- Save and load new fuel maps
- Re-calibrate throttle position sensor after throttle modifications
- View diagnostics for troubleshooting
- Change quickshift settings
- Make traction control adjustments



If any problem is found, please carefully follow through the installation steps again.



If problem still persists, please contact Bazzaz tech support

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11>REINSTALL

After it is determined that everything is correct, reinstall the components removed in step 3.

12>USE MAPS

The Bazzaz controller is capable of storing two maps.

Switch maps by connecting or disconnecting the map select jumper supplied with the kit.



MAP 1



MAP 2

13>NEXT LEVEL

****Accessories purchased separately.**

MAP SELECT SWITCH

Switch maps on the fly with this handle-bar-mounted switch.
Weatherproof toggle and easy installation.



79.95

ZAFM SELF MAPPER

Build race-level fuel maps for your specific modifications, fuel type, engine, and atmospheric conditions simply while riding. O2 sensor mounts into exhaust and control box easily plugs in to any Bazzaz Z-Fi product.



299.95



THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



Proudly made in the
United States

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