

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Z-Fi

FUEL MANAGEMENT

**BMW S1000RR | 2015
F1040**

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



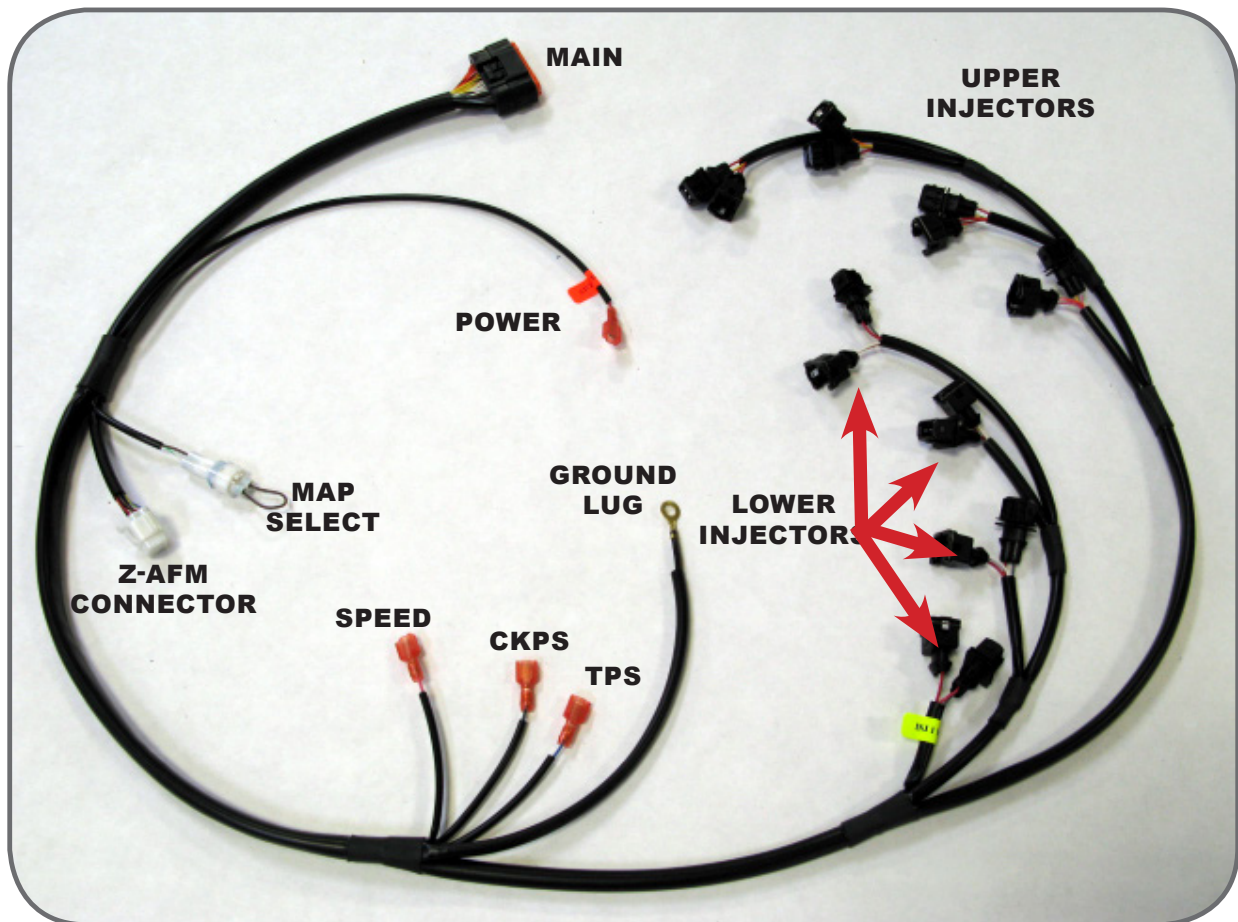
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

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

FUEL HARNESS

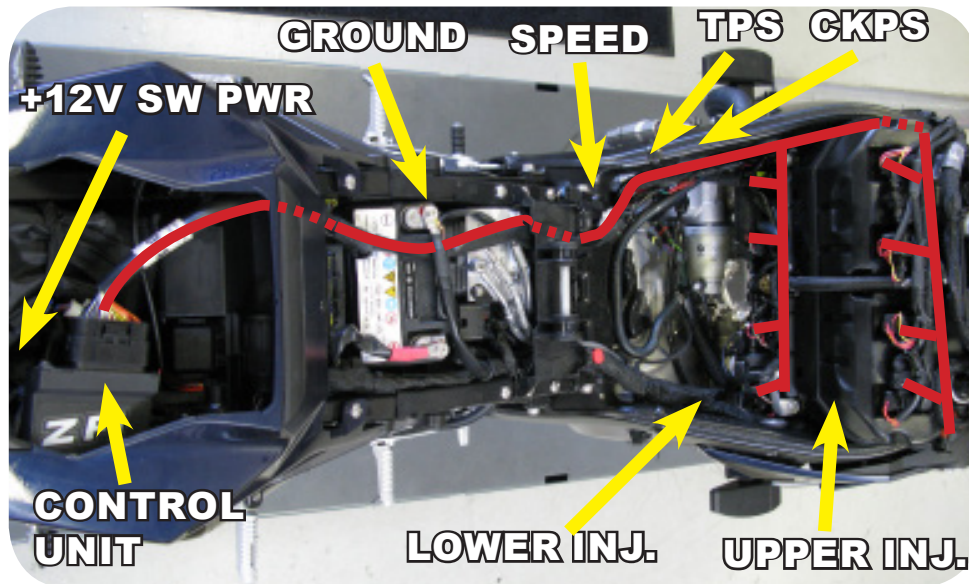


3>REMOVE

1. Rider seat
2. Passenger seat
3. Fuel tank
4. Left side fairing

4>ROUTING

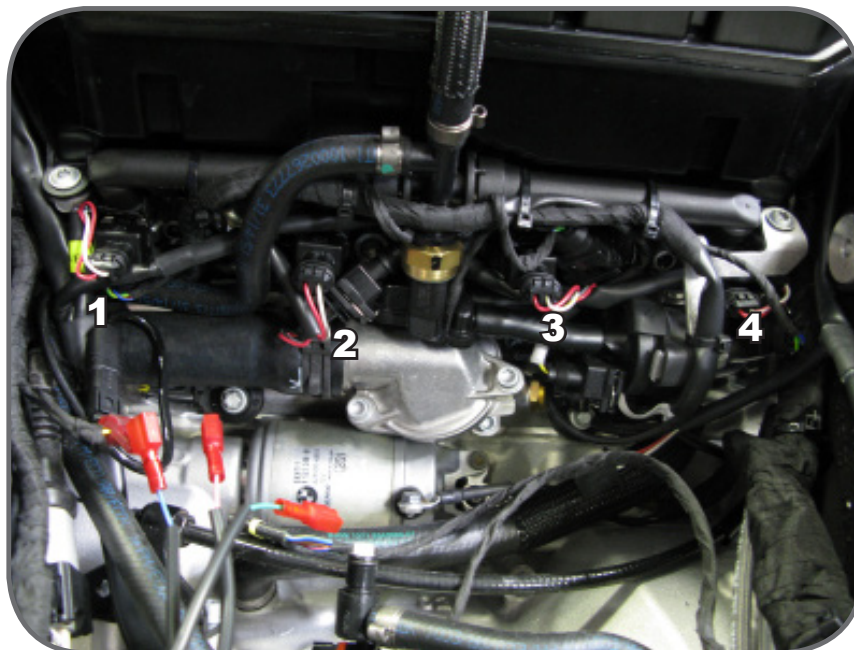
1. Place the Bazzaz unit in the tail section of the bike and connect the Bazzaz fuel harness.
2. Begin routing the fuel harness along the left hand side of the bike towards the factory air box.



5>CONNECT

5.1

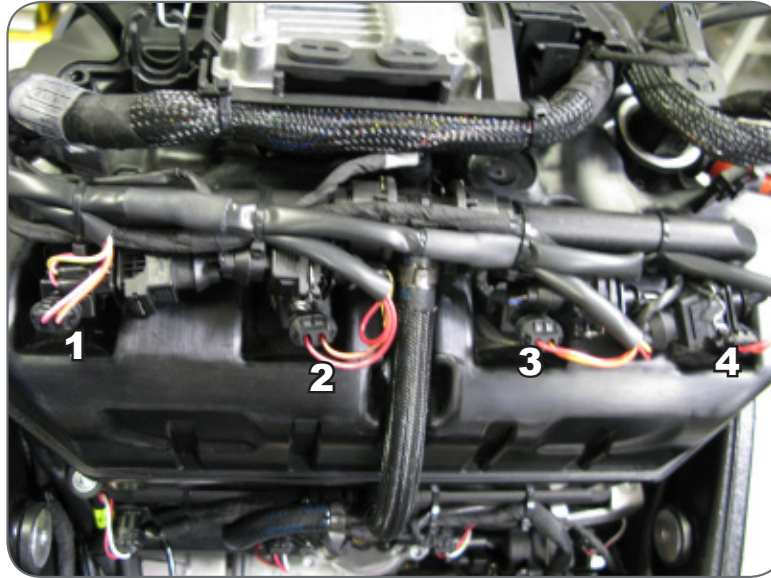
1. Locate the factory lower injectors along the bottom of the airbox.
2. Begin to install the Bazzaz lower injector connectors inline from left to right.



5>CONNECT (CONT.)

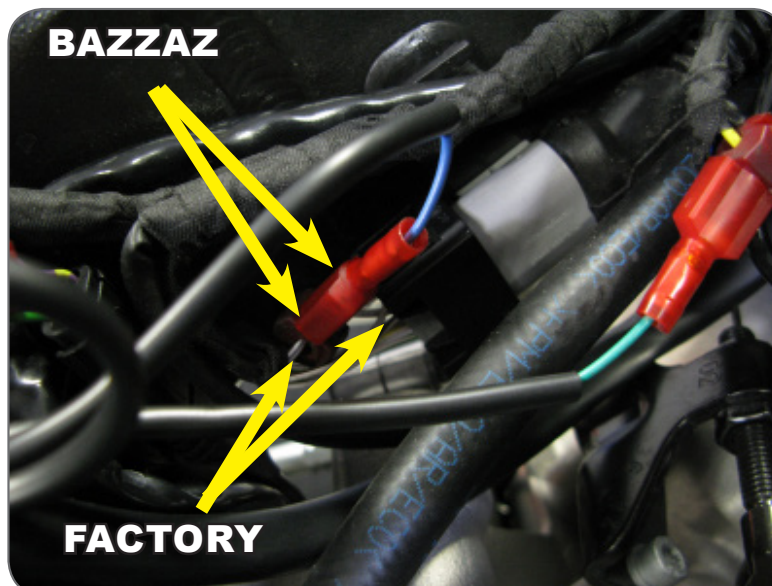
5.2

1. Route the Bazzaz upper injector connectors up the left hand side of the airbox to the top.
2. Begin to install the Bazzaz injector connectors inline from left to right with the factory upper injectors.



5.3

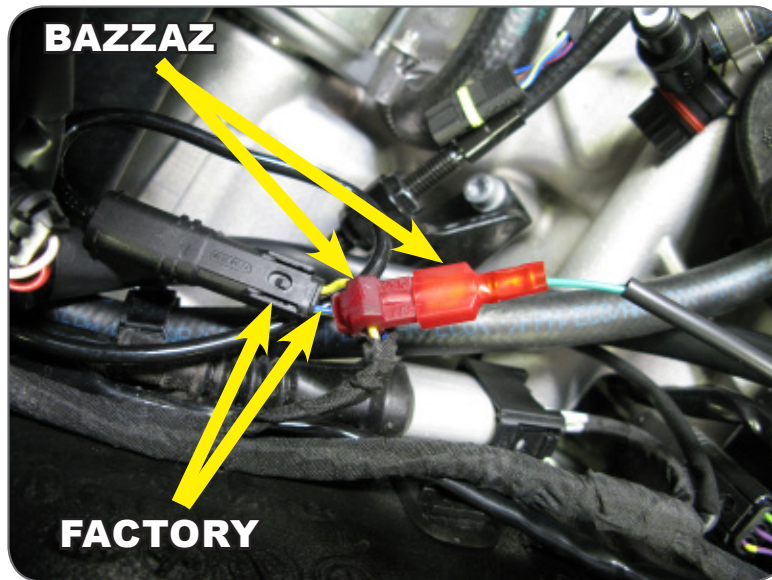
1. Locate the factory TPS connector, which will be found on the left hand side frame rail.
2. Separate the factory white/grey wire and use the supplied scotchlok to crimp onto the white/grey wire.
3. Connect the Bazzaz TPS connector.



5>CONNECT (CONT.)

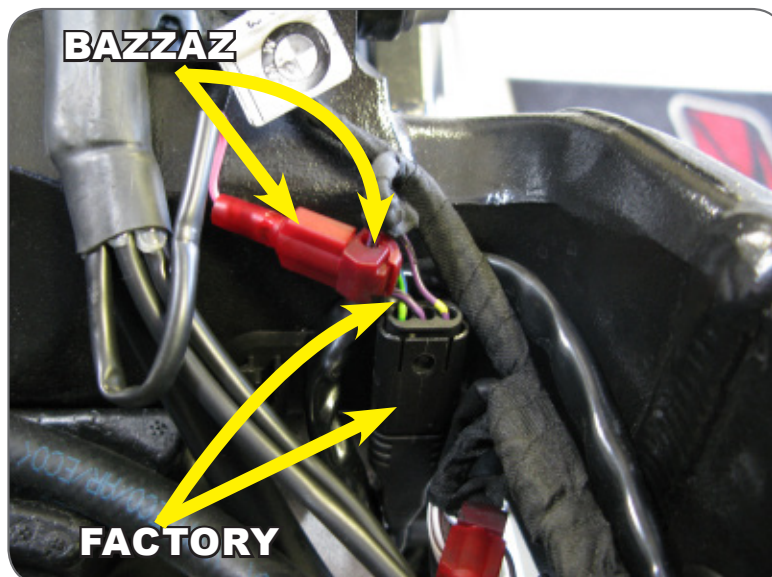
5.3

1. Locate the factory CKPS connector, which can be found near the factory TPS connector inside the left hand side frame rail.
2. Separate the factory yellow wire, and use the supplied scotchlok to crimp onto the yellow wire.
3. Connect the Bazzaz CKPS connector.



5.4

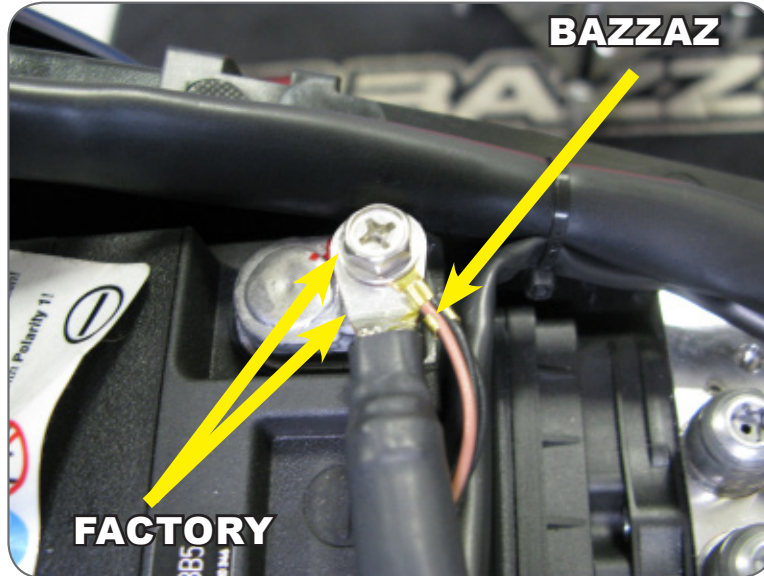
1. Locate the factory speed sensor connector, which can be found on the left hand side of the bike mounted to the frame.
2. Separate the factory middle purple/black wire, and use the supplied scotchlok to crimp onto the middle purple/black wire.
3. Connect the Bazzaz speed sensor connector.



6>GROUND

6.1

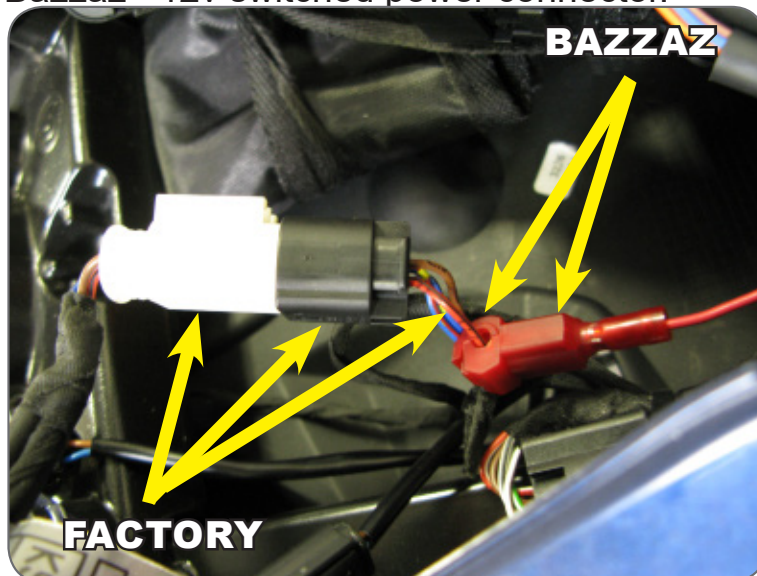
1. Locate the Bazzaz ground lug, and connect it to the factory negative battery terminal.



7>+12V SW. POWER

7.1

1. Locate the factory tail light connector, which can be found in the tail section of the bike on the right hand side.
2. Separate the factory red/black wire, and use the supplied scotchlok to crimp onto the factory red/black wire.
3. Connect the Bazzaz +12v switched power connector.



8>O2 ELIMINATION

8.1

1. Locate right side factory O2 sensor connector, which can be found on the front of the motor near the radiator hose.
2. Disconnect the sensor and secure it away from any hot and moving parts.



8.2

1. Locate left side factory O2 sensor connector, which can be found mounted to the side of the motor near the factory radiator hose.
2. Disconnect the sensor and secure it away from any hot and moving parts.



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.
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

- 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

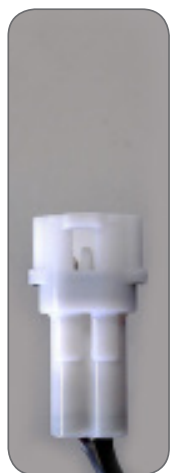
11>REINSTALL

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

12>USE



MAP 1



MAP 2

MAPS

The Bazzaz controller is capable of storing two maps.

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

13>NEXT LEVEL



ZAFM SELF MAPPER

Purchased separately.

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

NOTES:



THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



Proudly made in the
United States

F1040