

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

HONDA GOLD WING 1800 2001-2013
HONDA GOLD WING FB6 2013
F353 FUEL CONTROL

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 factory 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 public lands.

GETTING HELP



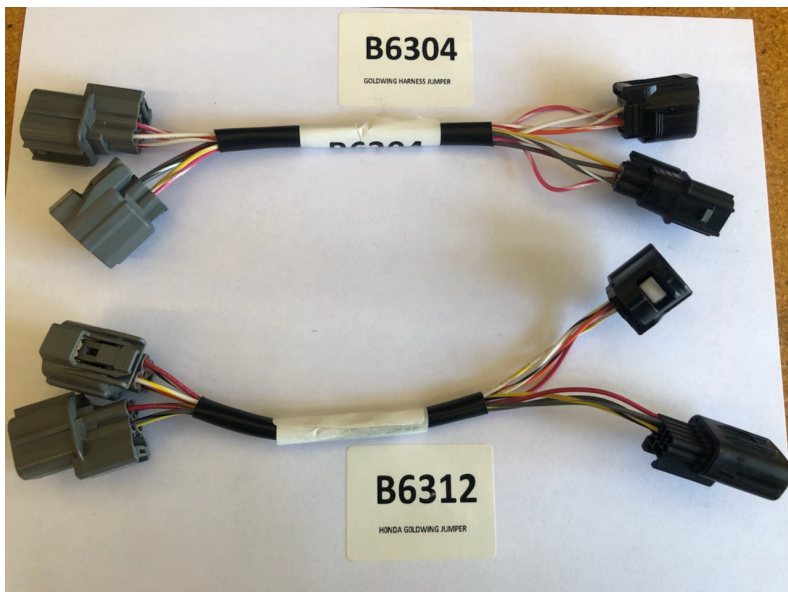
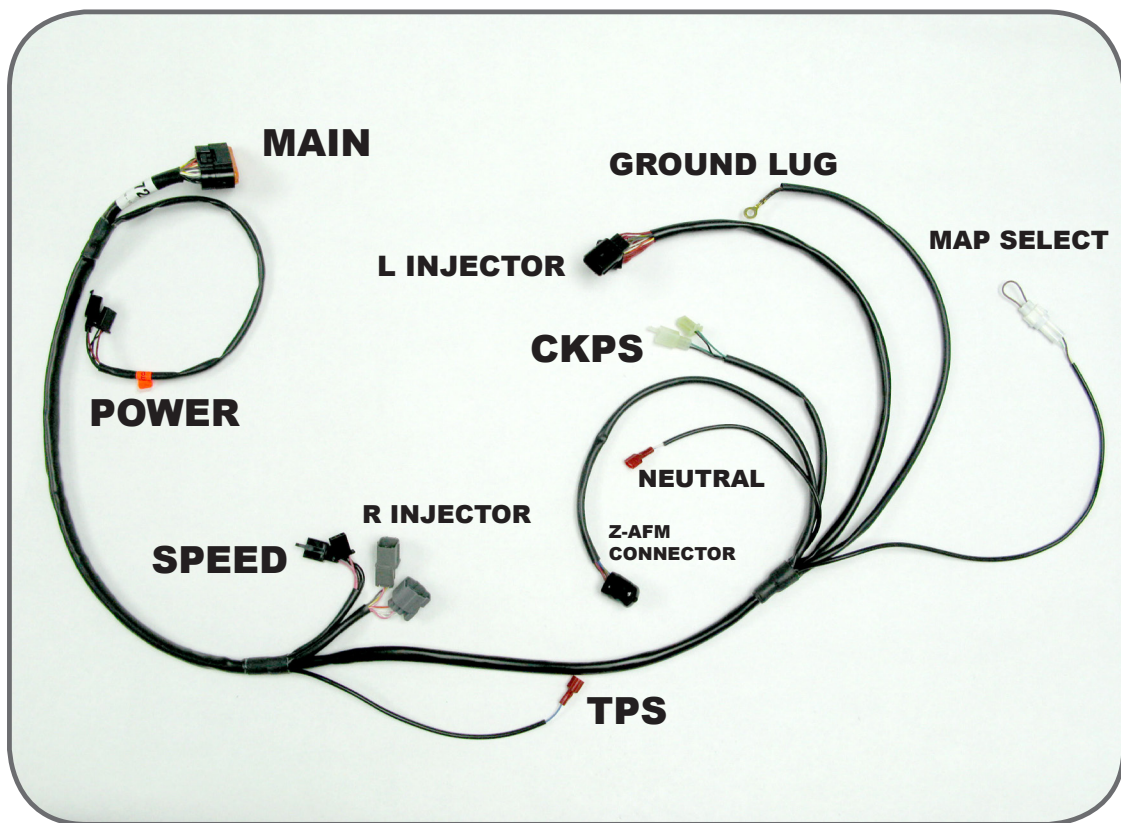
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. USB cable
4. Scotchlok (2)
5. Zip ties
6. Velcro
7. Injector adapter (for some late models)

FUEL HARNESS



B6304 - Adaptor to be used in newer models

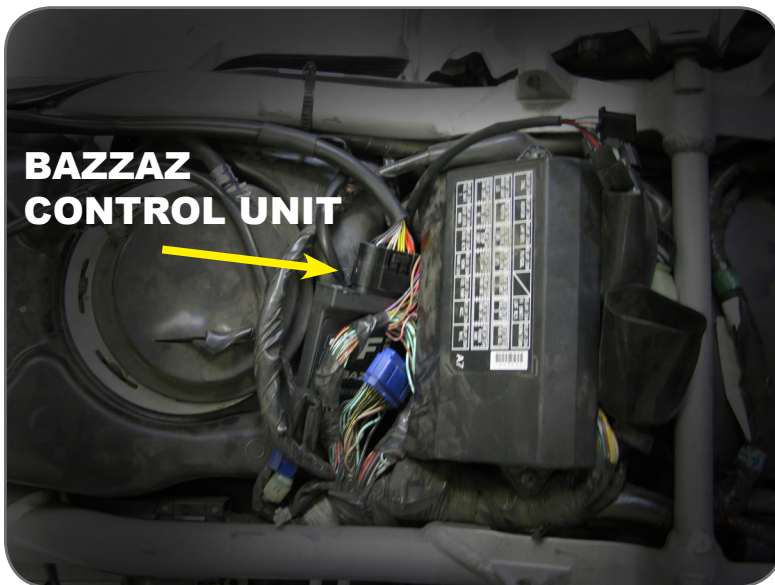
B6312 - Adaptor to be used in Older models

3> REMOVE

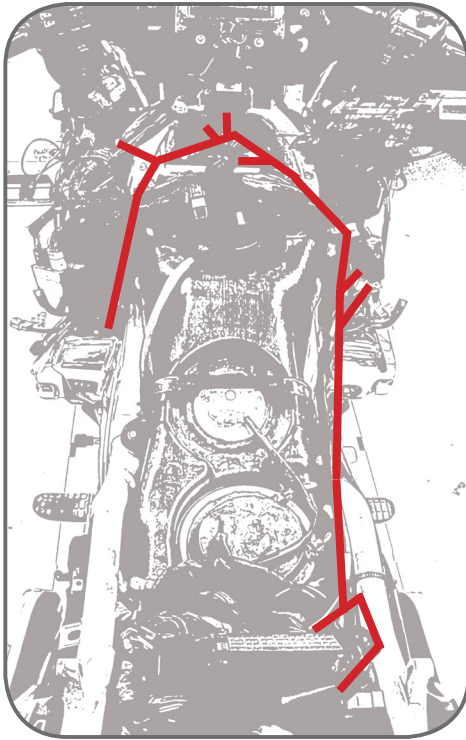
1. Seat
2. Side fairings
3. Front fairing
4. Tank shroud
5. Airbox

4> SECURE

1. Mount the control unit in front of the relay box, just behind the fuel pump.

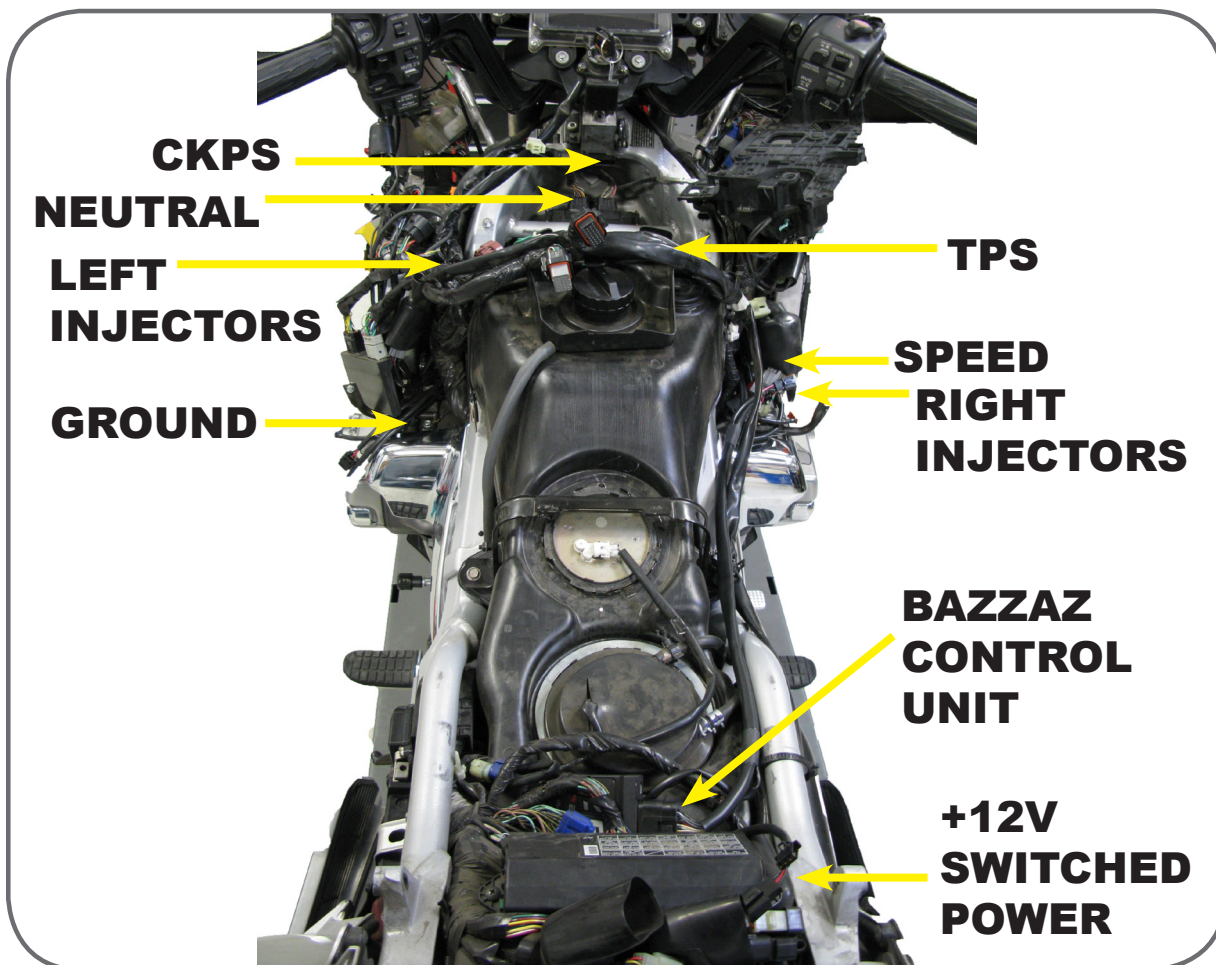


5 > CONNECT



5.1

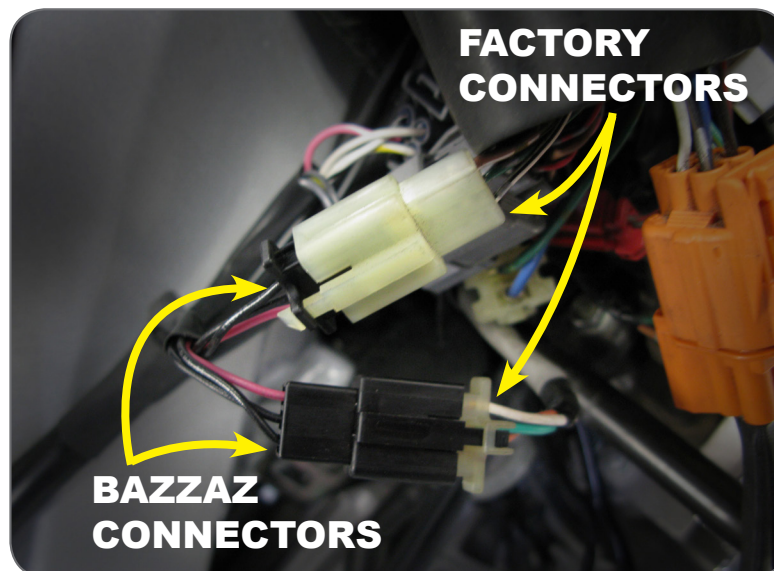
1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Route the fuel harness along the right side of the motorcycle, following the same path as the factory harness.



5>CONNECT (CONT.)

- 5.2**
1. Locate the empty three-pin auxiliary connector which is in the rubber boot behind the relay box.
 2. Separate the 12v wire from the auxiliary connector, and use the supplied scotchlock to crimp onto the 12v wire.
 3. Connect the Bazzaz 12v Sw Power connector.

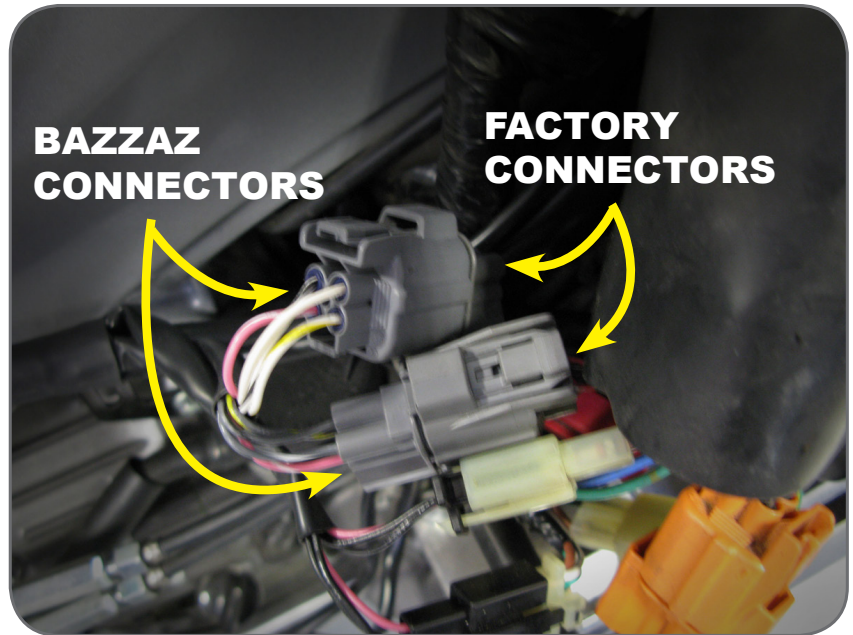
- 5.3**
1. Locate the factory speed sensor connectors, found in a rubber boot on the right side of the motorcycle. The speed sensor connectors will be near an orange connector (which is for the right side O2 sensor).
 2. Disconnect the factory speed connectors.
 3. Connect the Bazzaz speed connectors in-line with the factory connectors.



5>CONNECT (CONT.)

5.4

1. Locate the factory right side fuel injector sub harness connectors, found in the same place as the speed sensor.
2. Disconnect the fuel injector sub harness connectors.
3. Connect the Bazzaz right side injector connectors in-line with the factory connectors.
4. Some late models may require the use of the included injector adapter



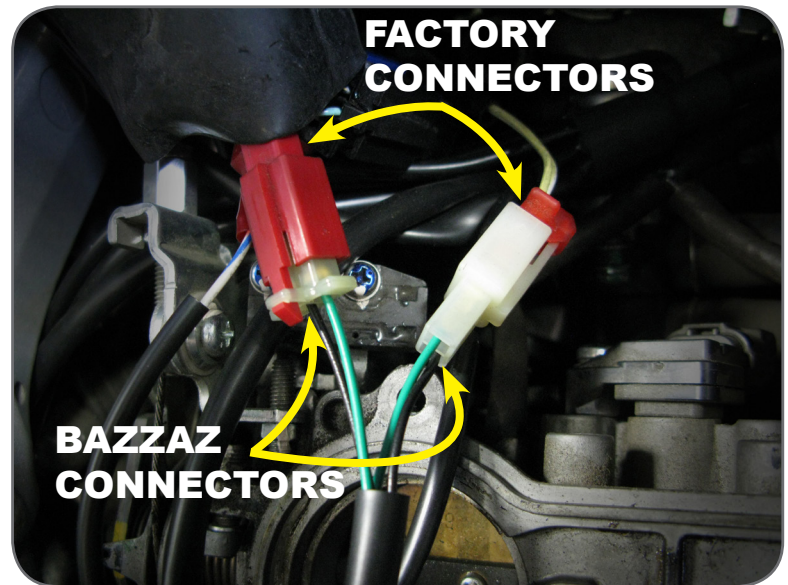
5.5

1. Route the remaining portion of the fuel harness between the frame and the engine, into the compartment where the airbox fits.
2. Locate the factory Throttle Position Sensor (TPS) and connector.
3. Crimp a supplied Scotchlok onto the **light green** wire of the TPS connector.
4. Connect the Bazzaz TPS connector into the Scotchlok.



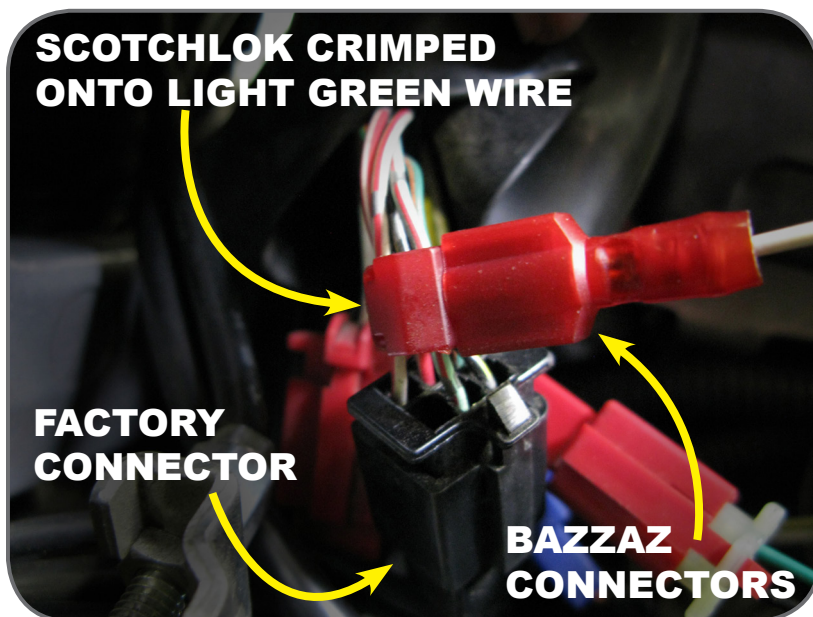
5>CONNECT (CONT.)

- 5.6**
1. Locate the red factory Crank Position Sensor (CKPS) connectors, found in the front portion of the engine compartment.
 2. Disconnect the factory CKPS connectors.
 3. Connect the Bazzaz CKPS connectors in-line with the factory connectors.



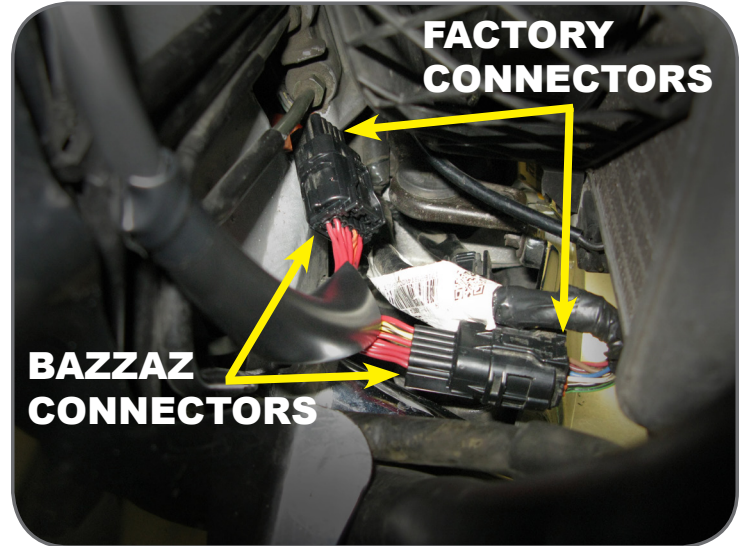
5.7

1. Locate the factory black six-pin connector found next to the CKPS connectors.
2. Crimp a supplied Scotchlok onto the **green/red** wire of the six-pin connector.
3. Connect the Bazzaz neutral connector into the Scotchlok.



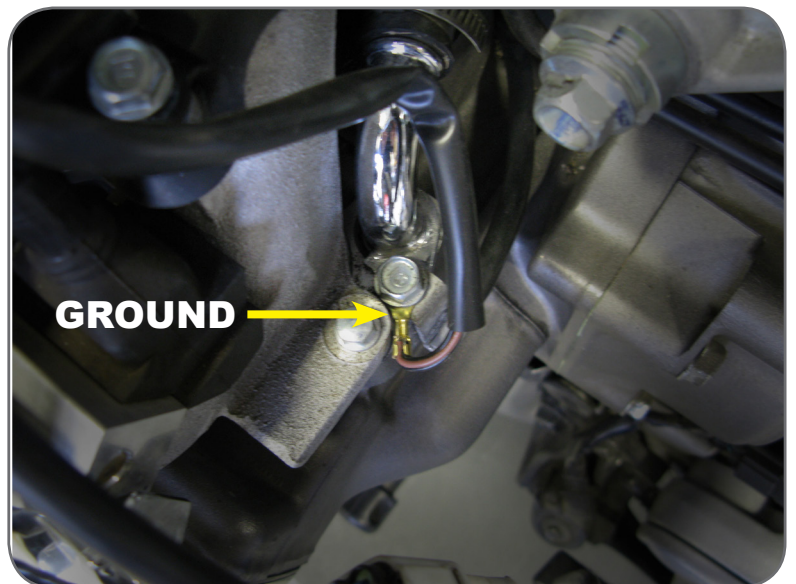
5>CONNECT (CONT.)

- 5.8**
1. Route the left side injectors of the Bazzaz fuel harness to the front, left side of the motorcycle.
 2. Loosen the radiator.
 3. Locate the factory black ten-pin connectors found on top of the left side cylinders.
 4. Disconnect the ten-pin connectors.
 5. Connect the Bazzaz left side injector connectors in-line with the factory connectors.



6>GROUND

1. Route the Bazzaz ground lug to the rear of the left side cylinders.
2. Secure the Bazzaz ground to a suitable chassis ground.



7>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).**

8>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



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

9>REINSTALL

After it is determined that everything is correct, reinstall the components removed and loosened throughout the install.

10>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.

Or use the optional handlebar-mounted switch to switch maps on the fly (sold separately).

11>NEXT LEVEL

MAP SELECT SWITCH

Purchased separately.

79.95

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



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





THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



Proudly made in the
United States

F353