

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFI FUEL MANAGEMENT

ZFI TC FUEL + QS + TRACTION CONTROL

SUZUKI GSX-S750 | 2015
F691 | T691

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 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.

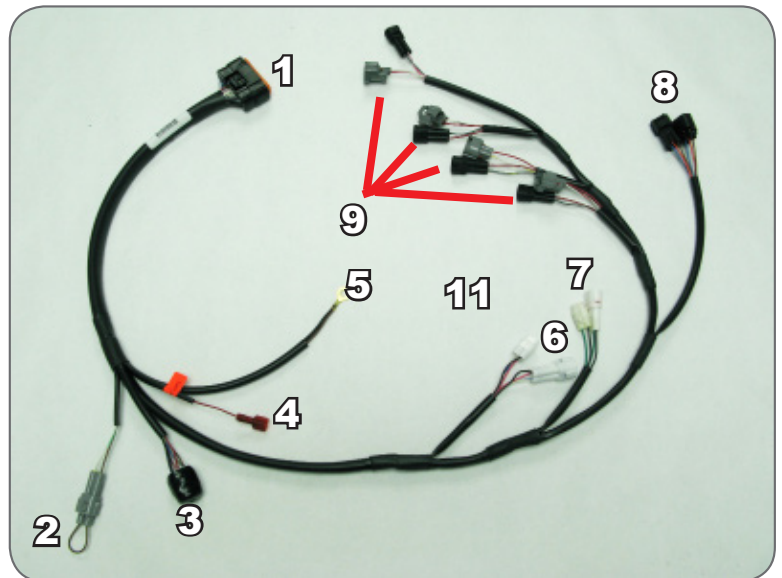
2>IDENTIFY

INCLUDED PARTS

1. Z-Fi/Z-Fi TC control unit
2. Fuel harness
3. Coil harness (For Z-Fi TC only)
4. Shift switch and mounting hardware (For Z-Fi TC only)
5. O2 stabilizer
6. USB cable
7. Swingarm stickers
8. Velcro
9. Scotchlok
10. Download Bazzaz software from bazzaz.net/index.php/software-overview

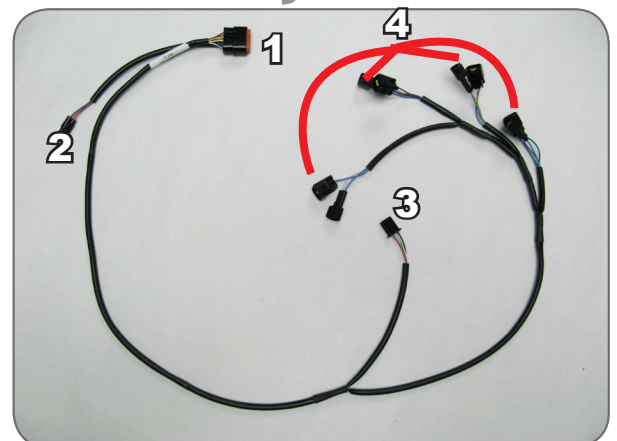
FUEL HARNESS

1. Main
2. Map Select
3. Z-AFM
4. +12v SW Power
5. Ground
6. GPS
7. CKPS
8. TPS
9. Injectors



COIL HARNESS (Z-FI TC ONLY)

1. Main
2. TC Adjust Switch
3. Shift Switch
4. Coils

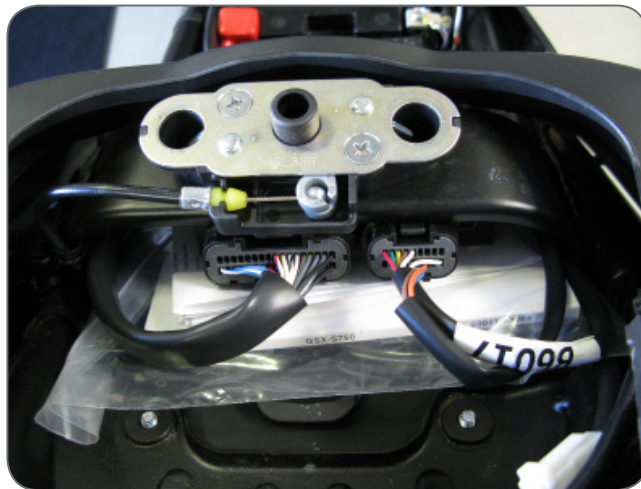


3>REMOVE

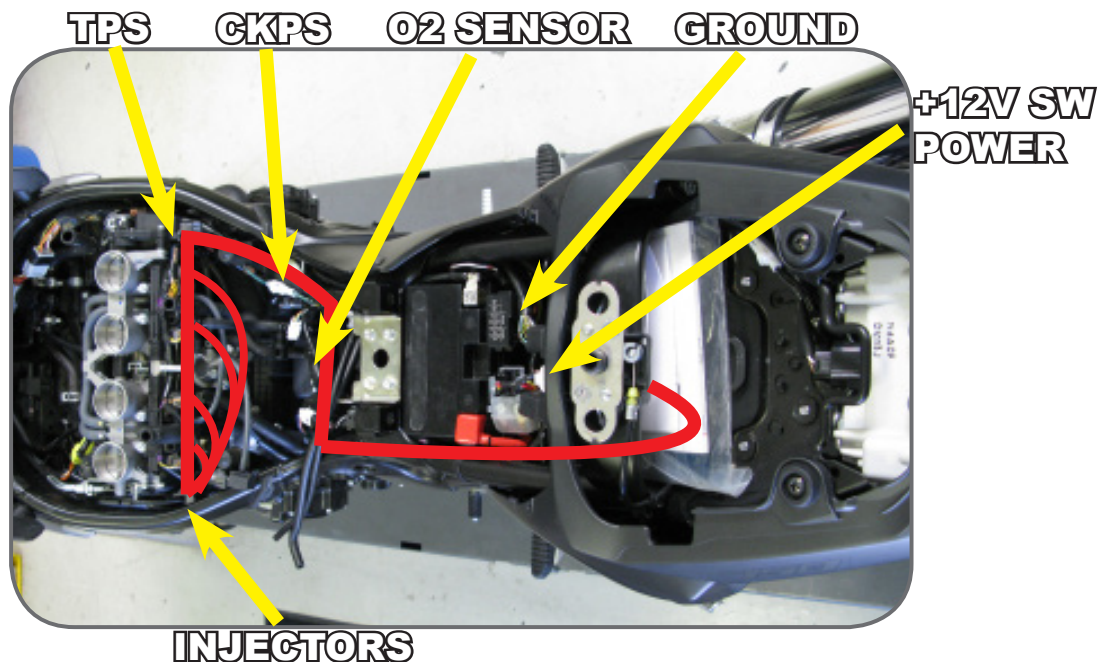
1. Rider seat
2. Passenger seat
3. Fuel tank
4. Airbox

4>SECURE

1. The Bazzaz control unit will be secured beneath the passenger seat.



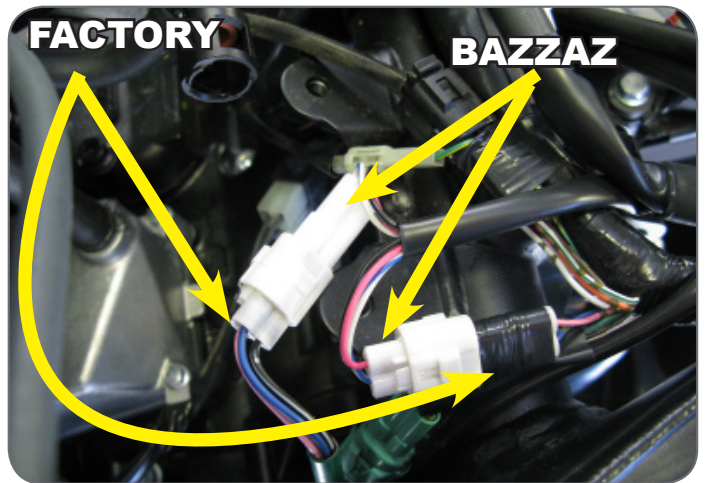
2. Connect the Bazzaz fuel harness to the control unit and begin routing the harness down the left hand side of the bike.
3. Once past the rear fuel tank mount begin to route the harness across to the right hand side of the bike towards the factory throttle bodies following the factory harness.



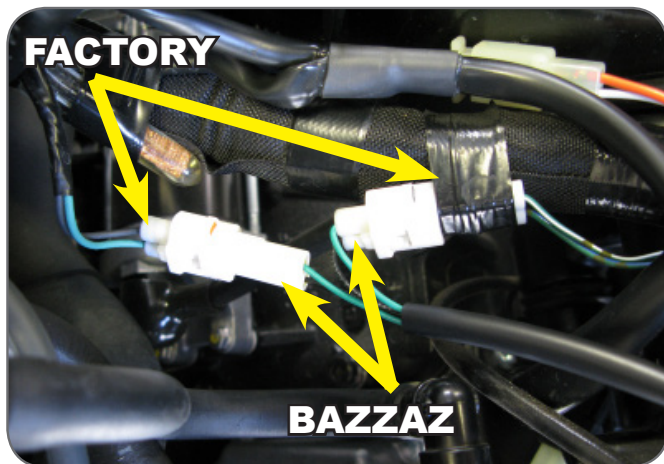
5>CONNECT

5.1

1. Locate the factory gear position connector, which can be found on the left hand side of the bike.
2. Disconnect the factory gear position connectors and install the Bazzaz gear position connectors inline.



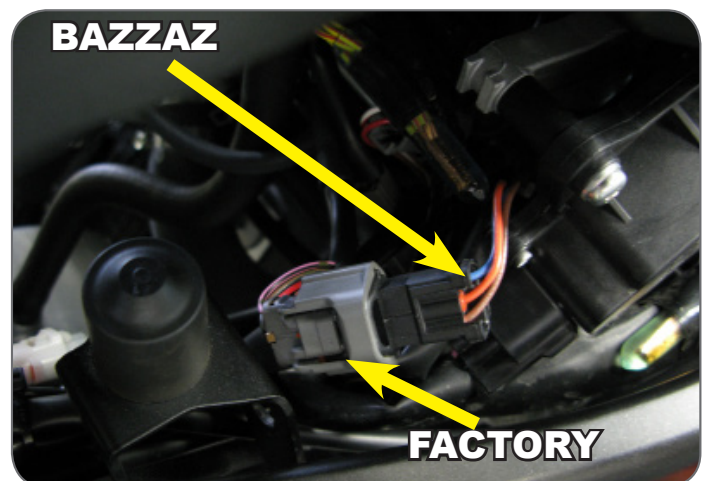
5.2



1. Locate the factory CKPS connectors, which can be found on the right hand side of the bike along the factory harness.
2. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.

5.3

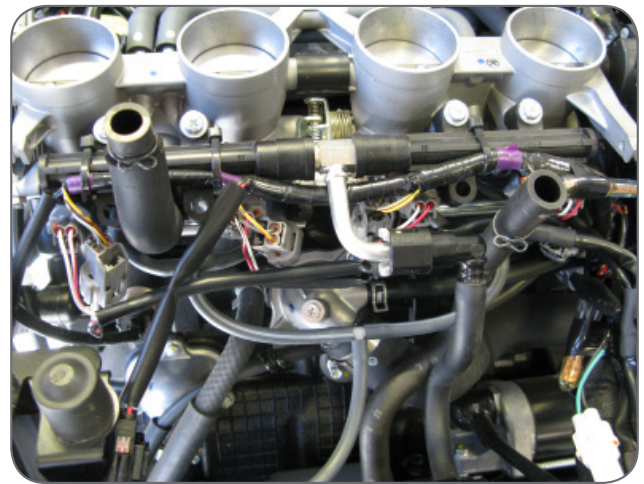
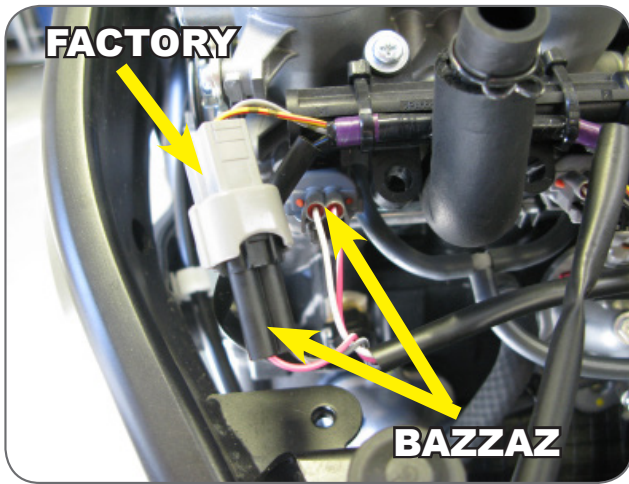
1. Locate the factory grey TPS sensor, which can be found on the right hand side of the throttle bodies.
2. Disconnect the factory TPS sensor and connect the Bazzaz TPS connectors inline



5>CONNECT (CONT.)

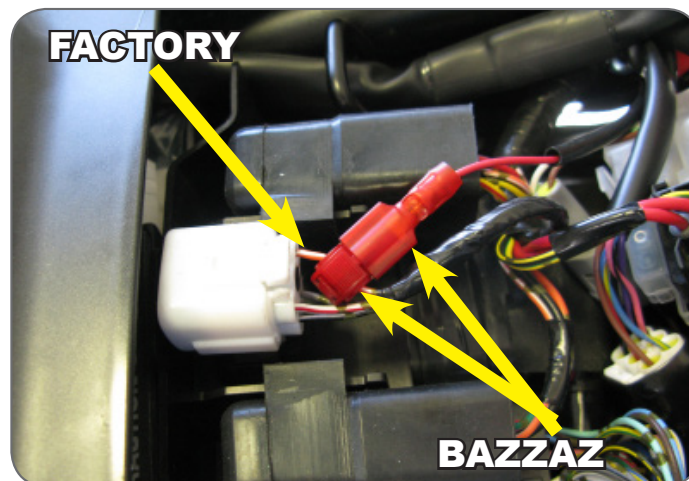
5.4

1. Locate the factory grey injector connectors.
2. Begin to install the Bazzaz injector connectors in line with each factory connector, working your way from right to left.



5.5

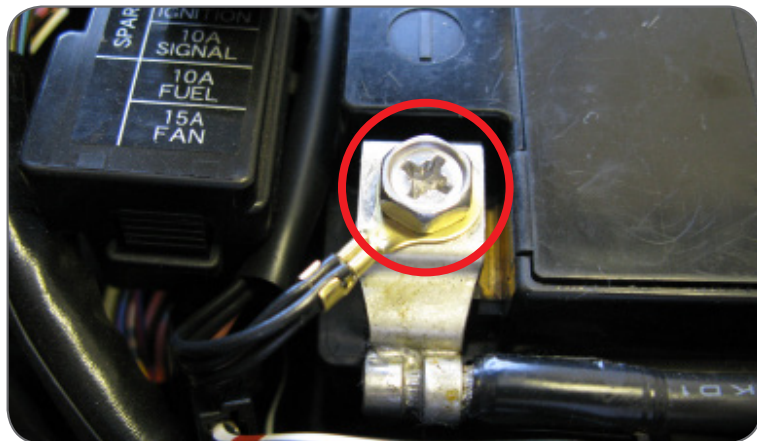
1. Locate the factory white six pin diagnostic connector, which can be found beneath the rider's seat behind the battery.
2. Separate the factory orange/white wire and use the supplied scotchlok to crimp onto the wire.
3. Connect the Bazzaz switched power connector.



5>CONNECT (CONT.)

5.6

1. Locate the factory ground terminal on the battery and install the Bazzaz ground lug.



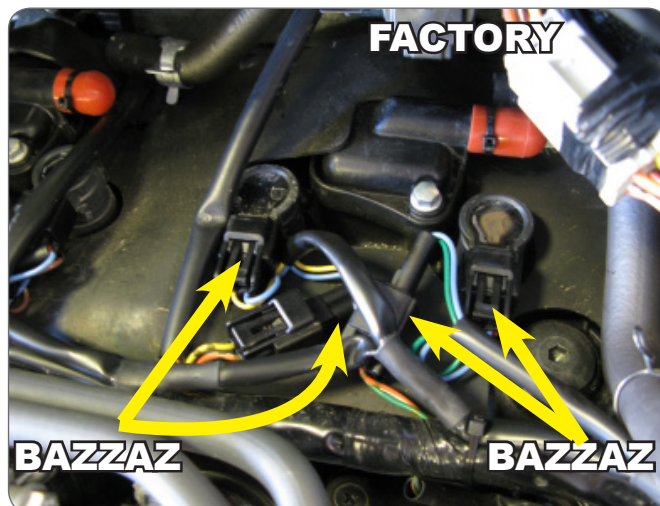
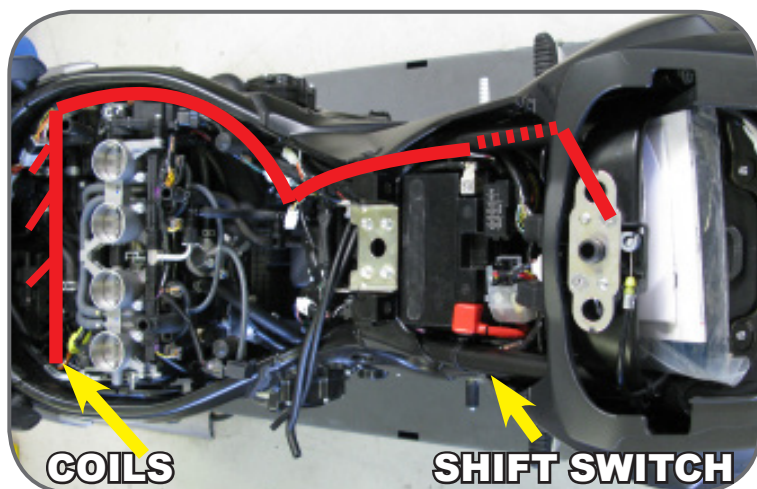
SECTION 6>CONNECT, AND 7>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 8>O2 ELIMINATION

6>CONNECT

(FOR USE WITH Z-FI TC ONLY!)

6.1

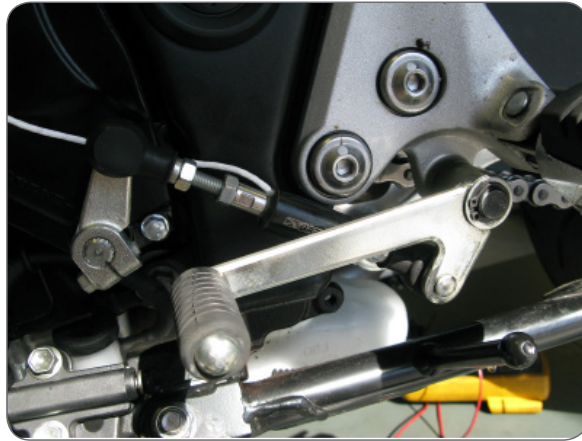
1. Connect the Bazzaz coil harness to the control unit, and begin to route the harness along the right hand side of the bike towards the factory coils.
2. Begin to work your way from right to left installing the Bazzaz coil connectors in line with the factory harness.



7>QUICKSHIFT

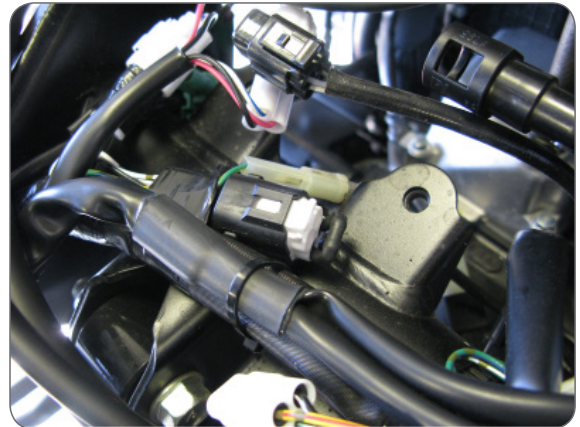
(FOR USE WITH Z-FI TC ONLY!)

1. Measure and note your shift pedal height so you may reposition the shift pedal once complete.
2. Remove the factory shift rod and begin to install the Bazzaz shift switch using one of the supplied allen stud bolts and tighten.
3. Begin to install the Bazzaz shift rod. The shift rod may need to be cut to get your original shift pedal height.
4. Ensure to retighten all lock nuts on the shift linkage.



8>O2 ELIMINATION

1. Locate the factory O2 sensor connector, which can be found between the factory gear position connector and the CKPS connector.
2. Disconnect the factory O2 sensor and install the Bazzaz O2 eliminator 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.
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-

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.

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

13>NEXT LEVEL

MAP SELECT SWITCH

Purchased separately.

Switch maps on the fly with this handlebar-mounted switch.

Weatherproof toggle and easy installation.

79.95



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



MAP SELECT/ TC ADJUST SWITCH

Purchased separately.

Switch maps on the fly with this handle-bar-mounted switch. Quickly adjust traction control settings using a 10-point dial. Weatherproof toggle and easy installation.

129.95



TC ACTIVE LIGHT

Purchased separately.

Illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated.

79.95



NOTES:



THE SMARTEST PERFORMANCE TUNING TECHNOLOGY



Proudly made in the
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