

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFI QS FUEL + QUICKSHIFT

ZFI TC FUEL + QS + TRACTION CONTROL

**TRIUMPH DAYTONA 675 2013
S1540S, S1540R, T1540S, T1540R**

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



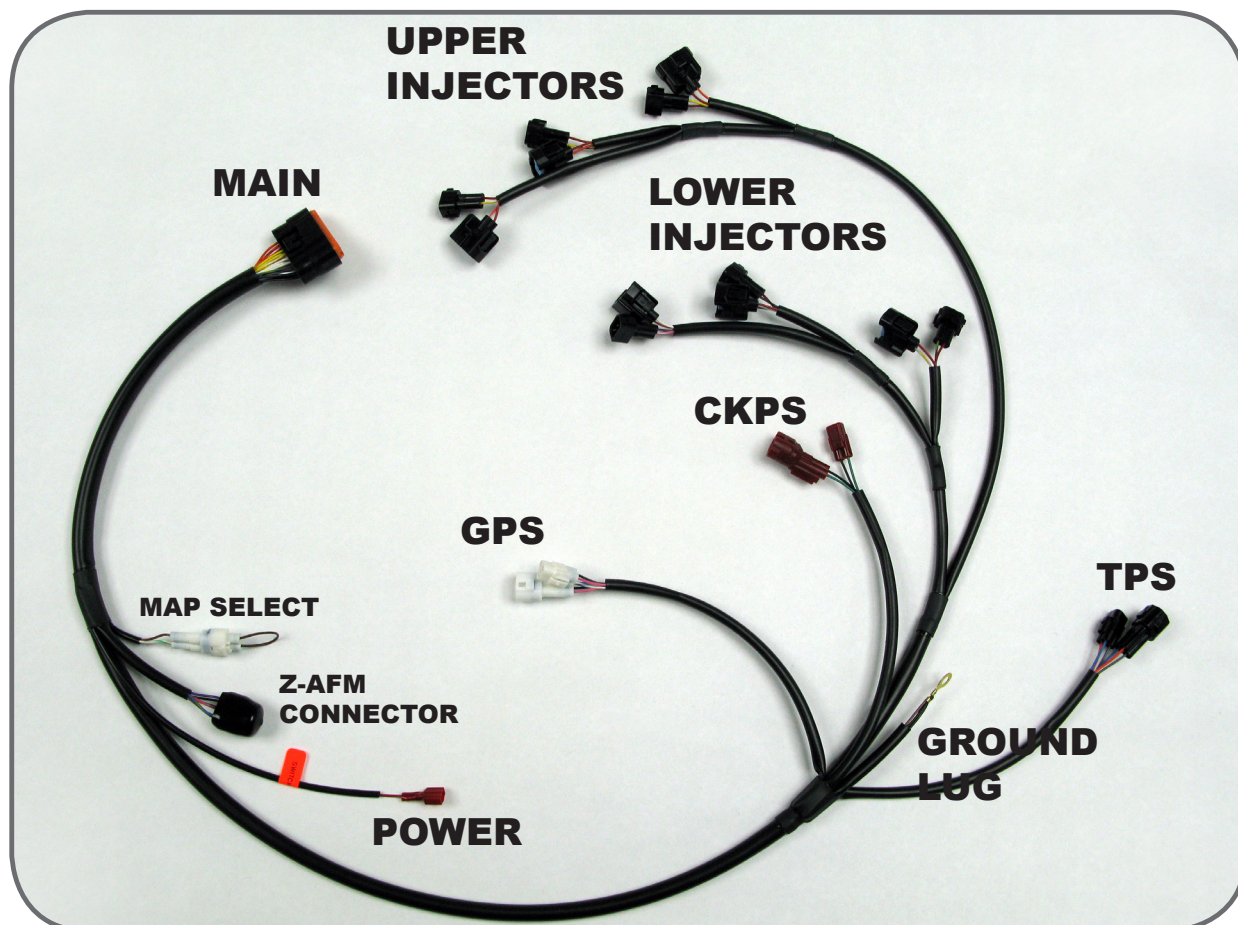
- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

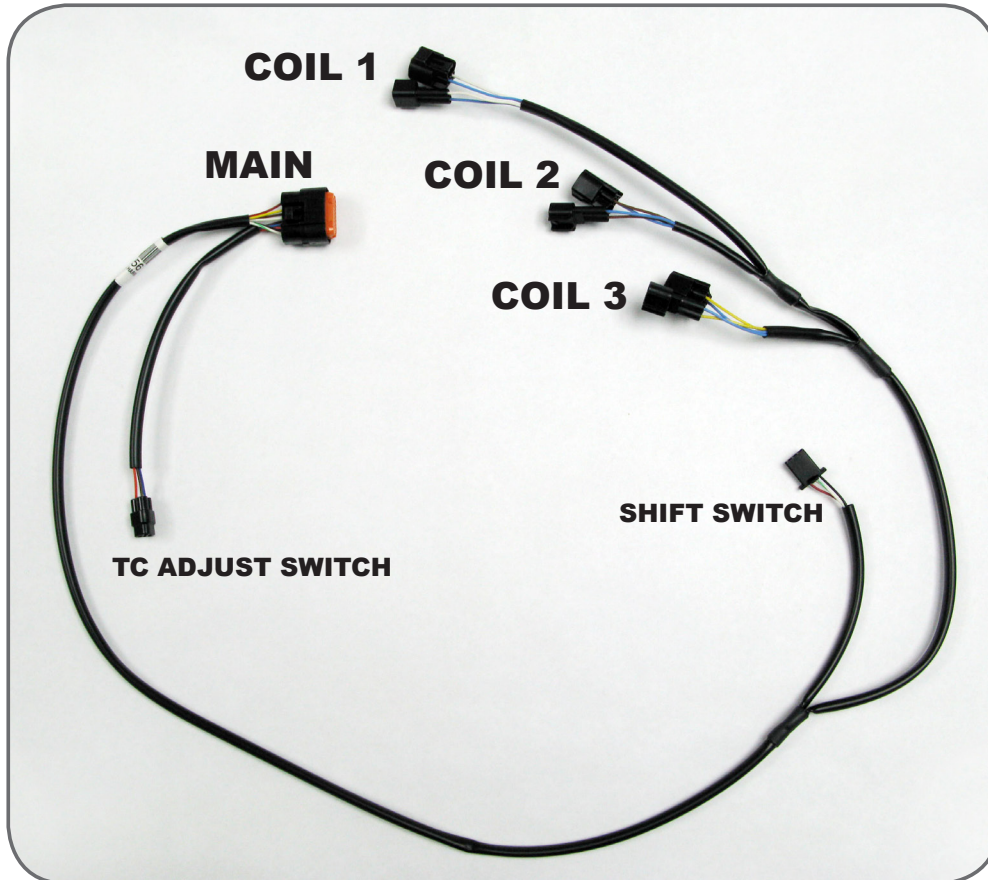
1. Z-Fi QS/TC control unit
2. Fuel harness
3. Coil harness
4. Shift Switch and mounting hardware
5. USB cable
6. O2 Eliminator
7. Scotchlok (1)
8. Zip ties
9. Velcro

FUEL HARNESS



2>IDENTIFY (CONT.)

COIL HARNESS



3>REMOVE

1. Seats
2. Fuel tank
3. Airbox
4. Tail section fairing

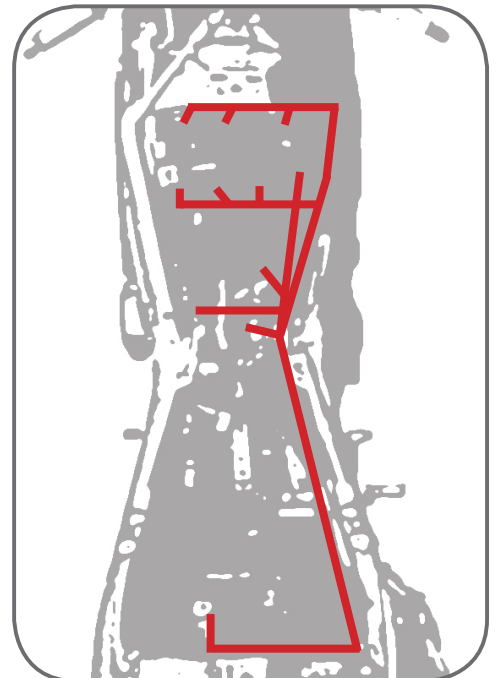
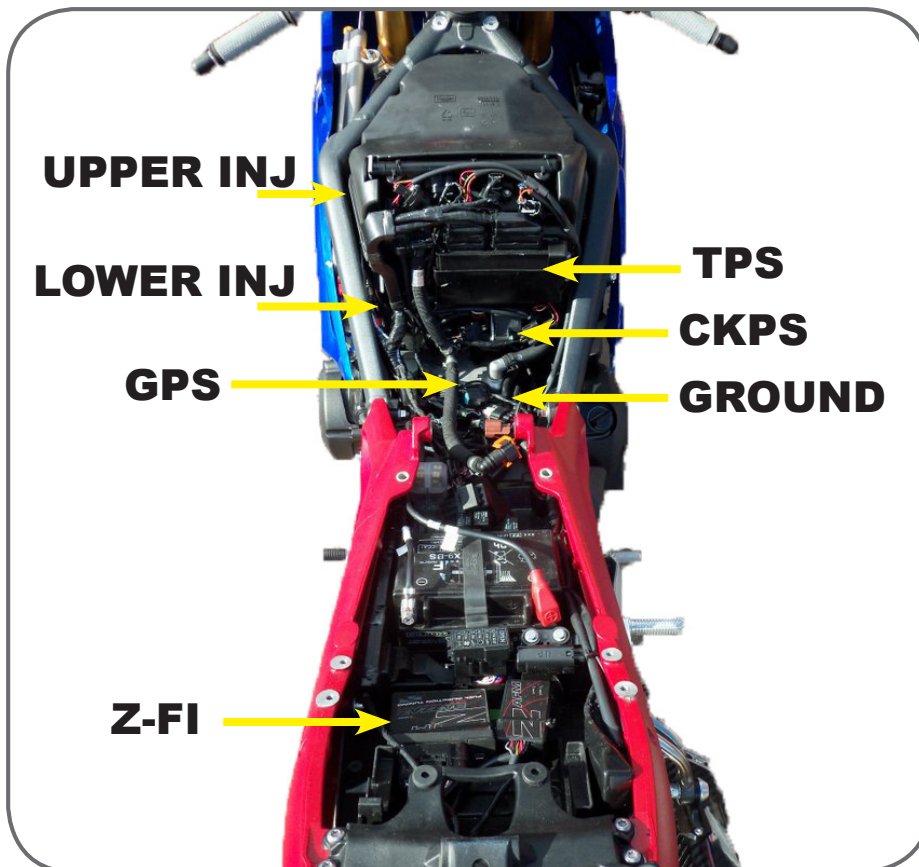
4>SECURE

1. Mount the control unit in the rear tail section, securing it with the Velcro provided.

5>CONNECT

5.1

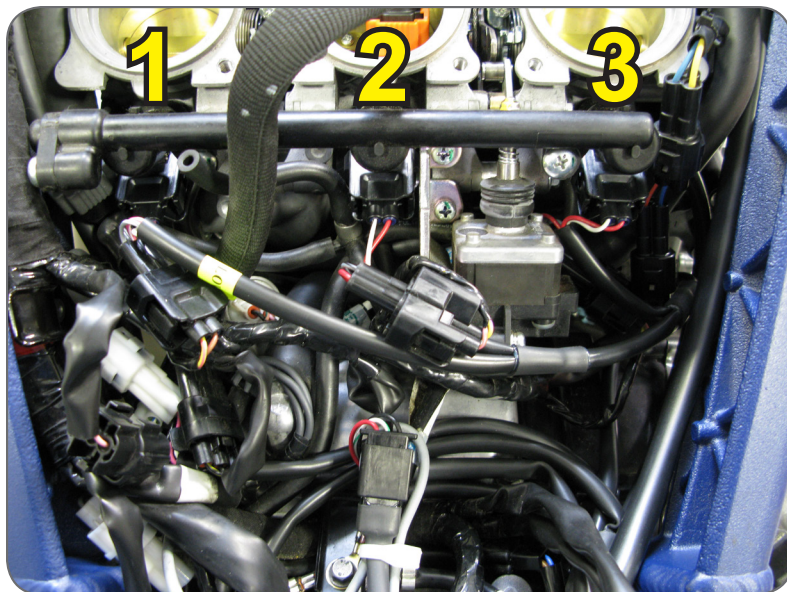
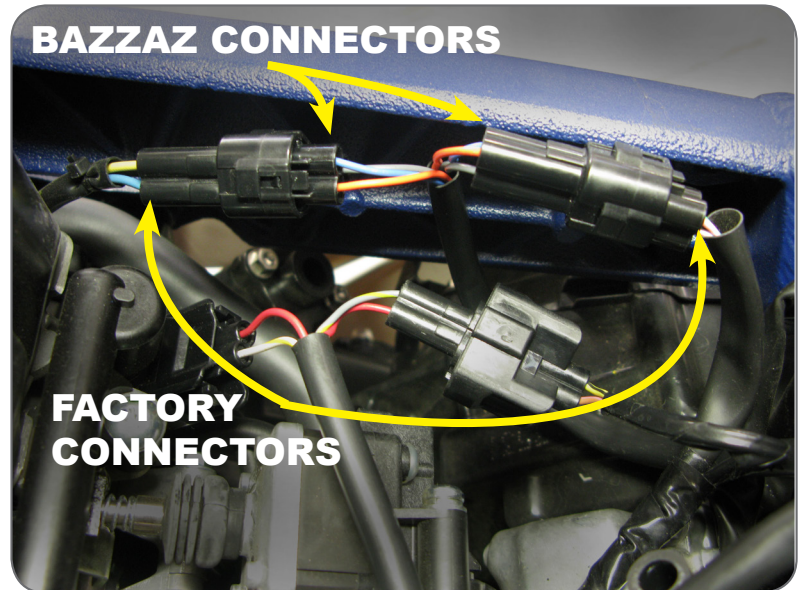
1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Route the harness on the right side of the bike, from the rear toward the engine.



5>CONNECT (CONT.)

5.2

1. Locate the factory Throttle Position Sensor (TPS) connectors found on the right side of the throttle bodies.
2. Disconnect the factory TPS connectors.
3. Connect the Bazzaz TPS connectors in-line, between the factory connectors.



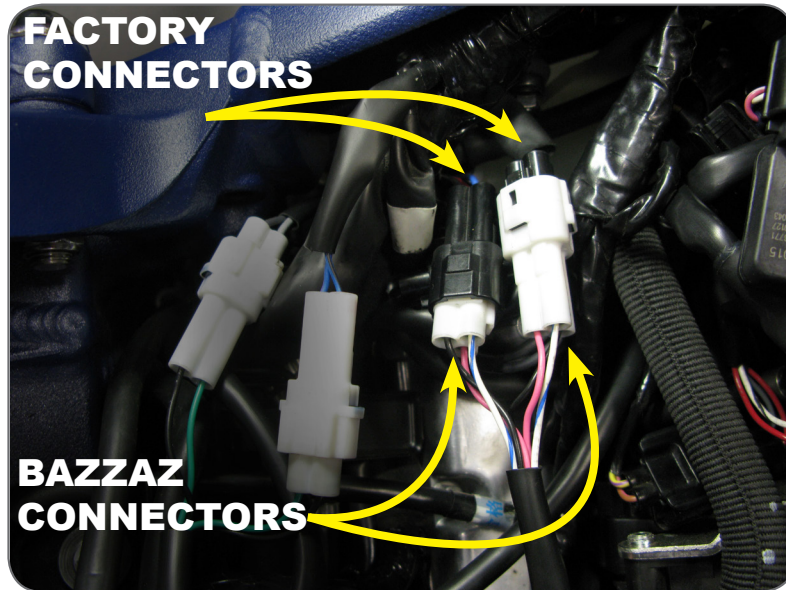
5.3

1. Locate the lower (primary) factory injectors.
2. Disconnect the factory injector connectors from each injector.
3. From left to right, connect the Bazzaz lower injector connectors in-line, between each injector connector and injector.

5>CONNECT (CONT.)

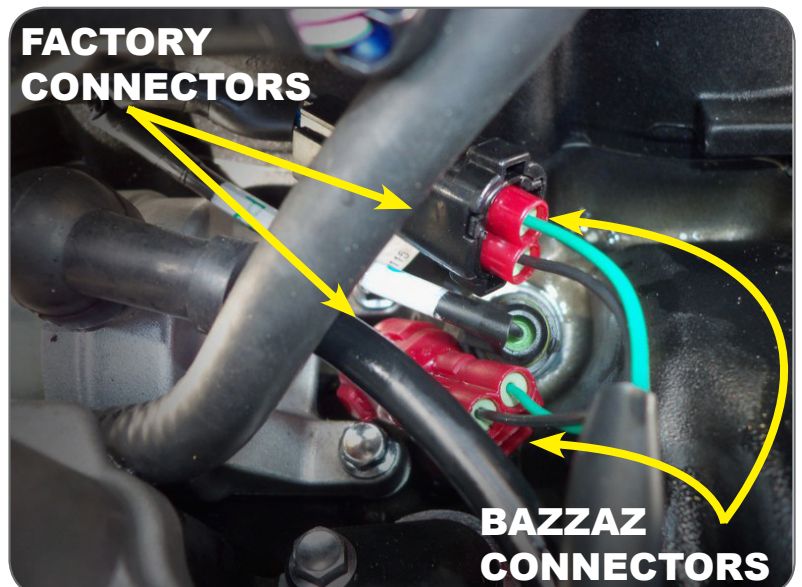
5.4

1. Locate the factory Gear Position Sensor (GPS) connectors, found near the left side frame rail within the engine compartment.
2. Disconnect the factory GPS connectors.
3. Connect the Bazzaz GPS connectors in-line, between the factory connectors.



5.5

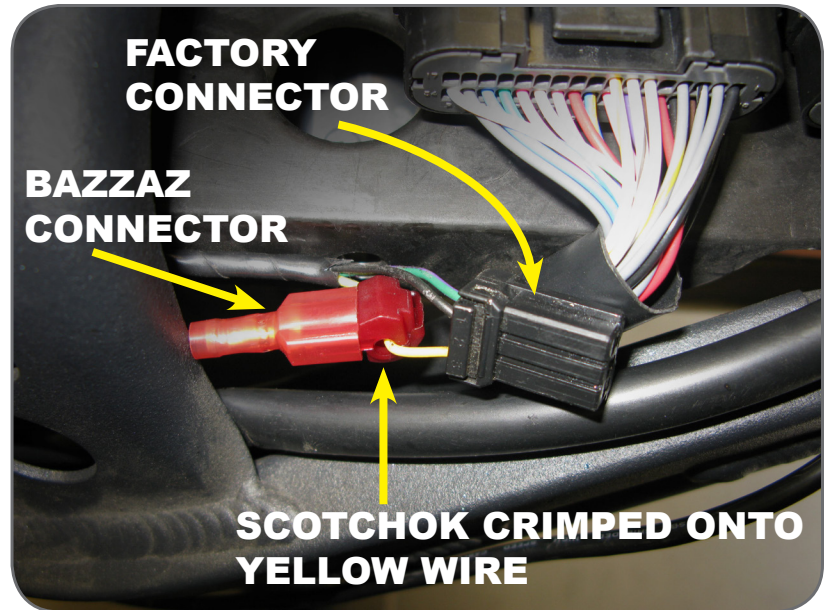
1. Locate the factory Crank Position Sensor (CKPS) connectors, found near the starter motor.
2. Disconnect the factory CKPS connectors.
3. Connect the Bazzaz CKPS connectors in-line, between the factory connectors.



5>CONNECT (CONT.)

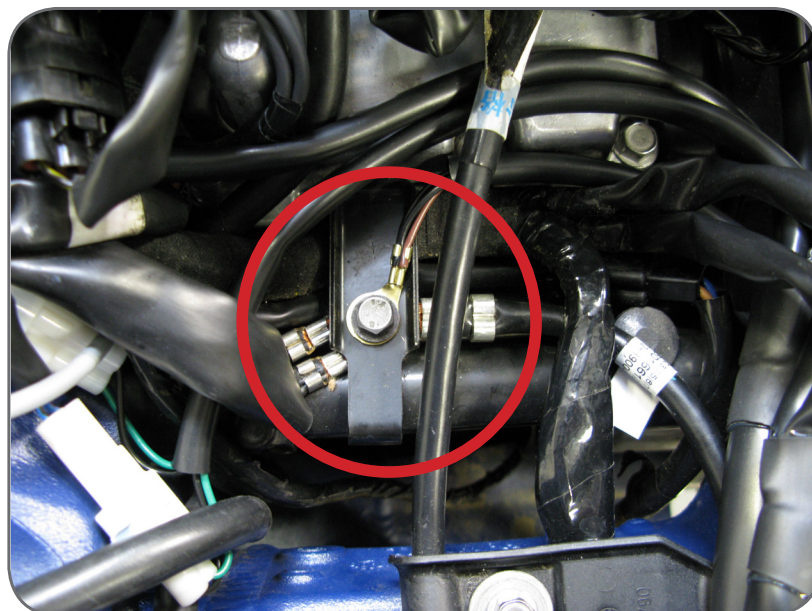
5.6

1. Locate the factory tail light connector found in the rear tail section area, under the passenger seat.
2. Crimp a supplied Scotchlok onto the yellow wire of the tail light connector.
3. Insert the Bazzaz +12V switched power connector into the Scotchlok.



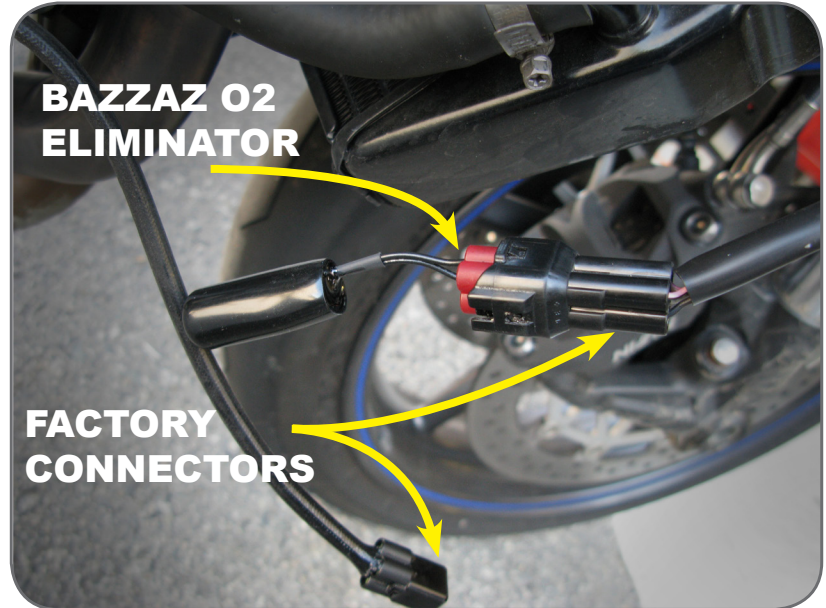
6>GROUND

1. Attach the Bazzaz ground lug to a solid chassis ground.



7>O2 SENSOR

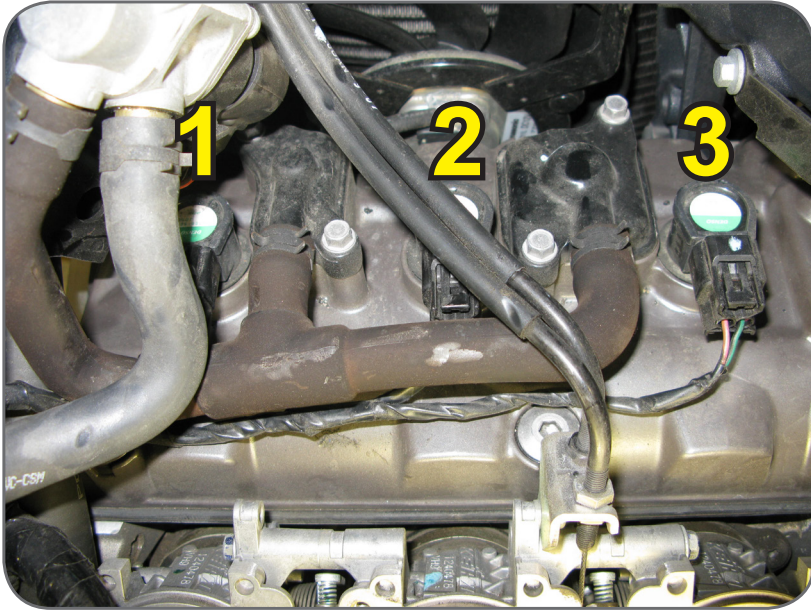
1. Locate the factory O2 sensor connector on the right side of the bike, behind the radiator.
2. Disconnect the sensor connector from the factory harness, as it will no longer be used.
3. The wires should be neatly secured away from any moving components, or the sensor may be removed and the remaining port/bung in the exhaust can then be plugged.
4. Install the Bazzaz O2 eliminator in place of the factory sensor connector.



8>CONNECT COIL HARNESS

1. Connect the main connector of the Bazzaz coil harness to the control unit.
2. Route the harness on the right side of the bike.
3. Locate the factory stick coils.
4. Disconnect the factory coil connectors from each stick coil.
5. From right to left, connect the Bazzaz coil connectors in-line, between each coil connector and stick coil.

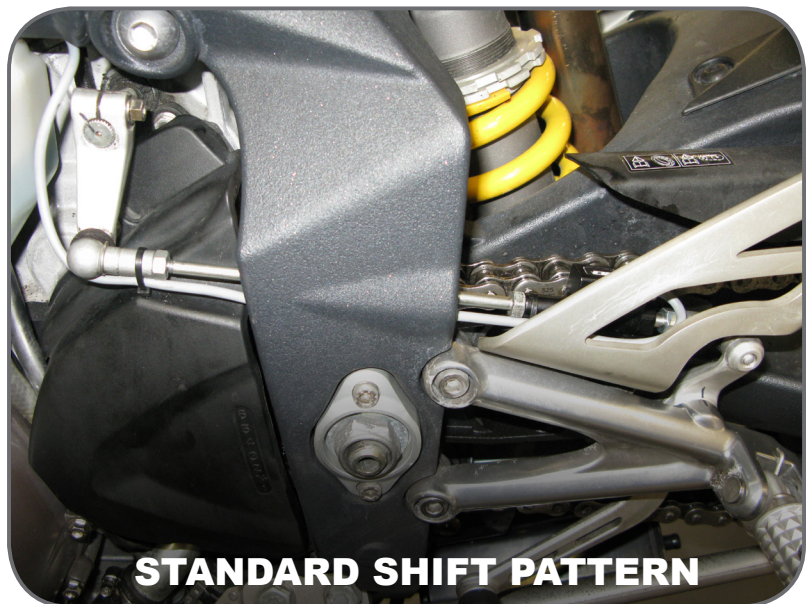
8>CONNECT (CONT.)



9>QUICKSHIFT

AFTERMARKET REARSETS NEEDED FOR REVERSE SHIFT

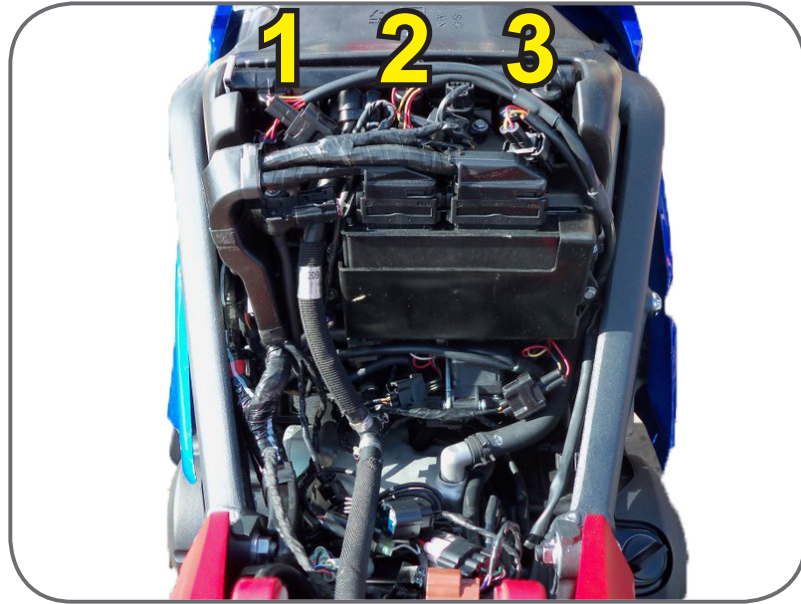
1. Remove the factory shift rod from the motorcycles shift linkage.
2. Install the Bazzaz shift switch on the rear shift linkage.
3. Adjust the foot pedal to preferred height and secure components by tightening the 10mm nuts (Bazzaz female shift rods are manufactured to fit multiple applications and can be cut at 10mm intervals on either end to shorten for proper positioning).
4. Route the shift switch connector up into the engine compartment and connect it to the mating connector on the Bazzaz coil harness.



STANDARD SHIFT PATTERN

10>CONNECT

1. Reinstall the airbox removed in step 3.
2. Locate the upper (secondary) factory injectors.
3. Disconnect the factory injector connectors from each injector.
4. From left to right, connect the Bazzaz upper injector connectors in-line, between each injector connector and injector.



11>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).

12>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

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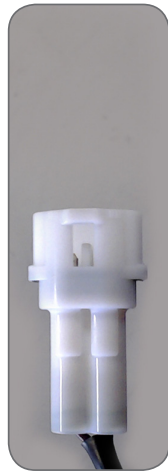
13>REINSTALL

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

14>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).

15>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

MAP SELECT/ TC ADJUST SWITCH

Purchased separately.

129.95

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



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
United States

S1540S, S1540R, T1540S, T1540R