



YAMAHA YZF R1 2009-2013

Z-Fi QS (Quickshift) / Z-Fi TC (Traction Control) Installation Instructions
Part #s 800805CS, 800805CR, 800805TS, 800805TR



Parts List:

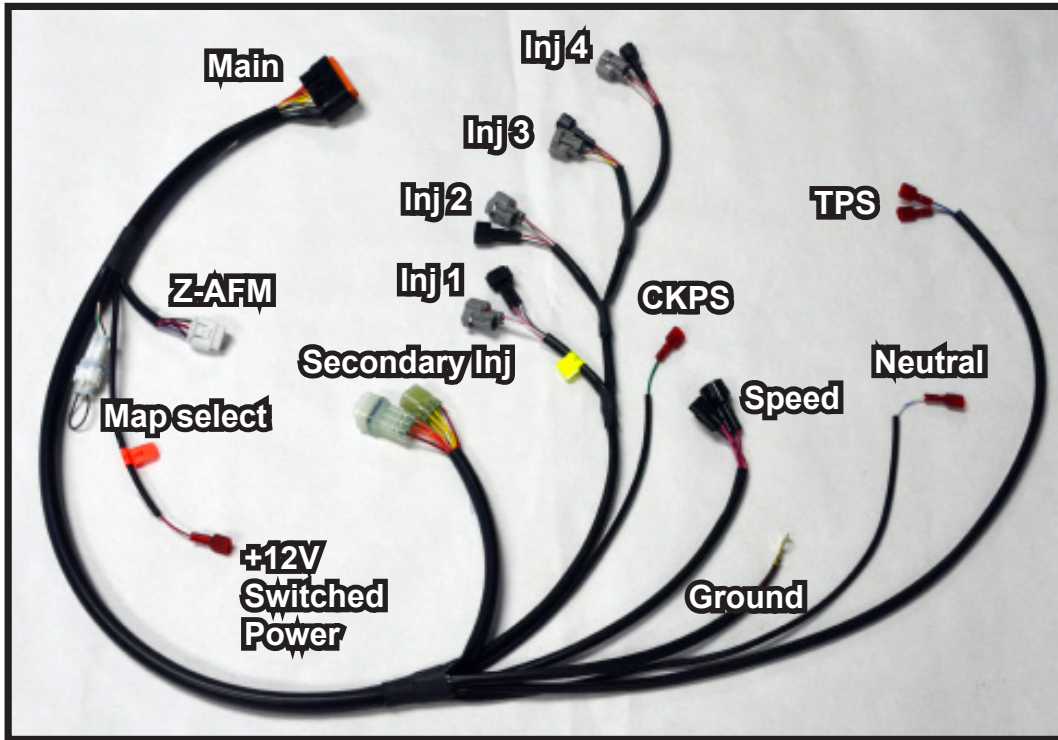
Z-Fi QS/TC Control Unit
Fuel Harness
Coil Harness
Shift Switch & Mounting Hardware
Scotchlok (5)
Cable Ties
Velcro
USB Cable
Swingarm Stickers
Download Z-Fi Mapper Software at bazzaz.net
Software instructions available at bazzaz.net

USE ONLY IN RACE OR OTHER CLOSED COURSE APPLICATIONS AND NEVER ON PUBLIC ROADS

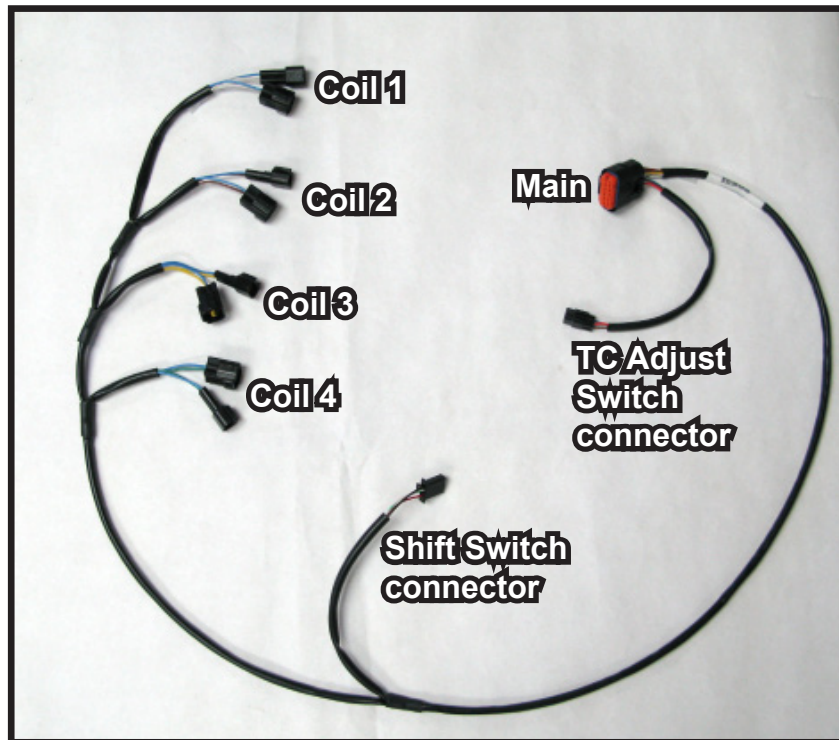
Z-Fi products are not certified by the California Air Resource Board (CARB) for use on CA highways

Contact Bazzaz tech support at 909-597-8300 for questions

BAZZAZ HARNESS CONNECTOR IDENTIFICATION



FUEL HARNESS



COIL HARNESS

Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

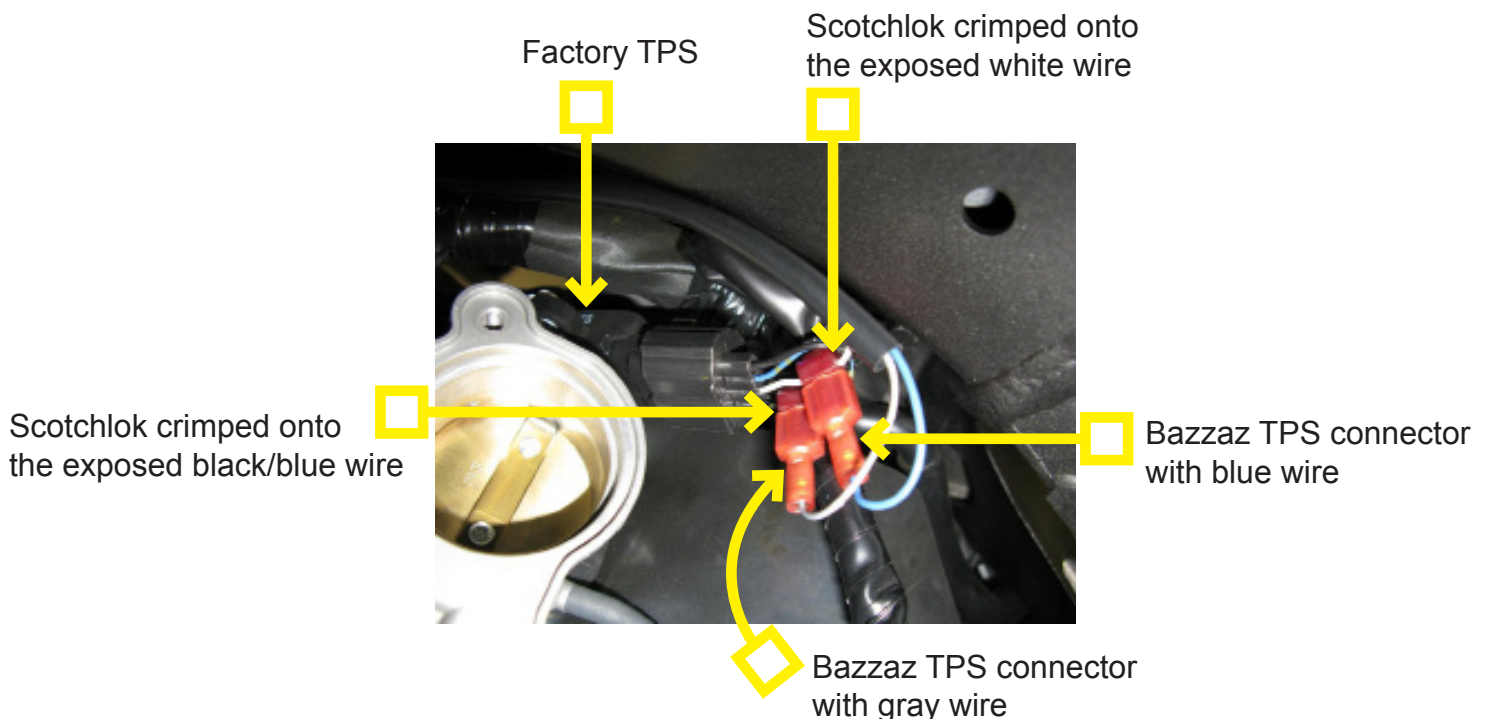
WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

1. Begin the installation by removing the seats, fuel tank, air box and lower fairing.
2. Place the **CONTROL UNIT** in the tail section of the bike, securing it with the provided Velcro if necessary. Connect the main connector of the Bazzaz **FUEL HARNESS** into the control unit and begin routing the harness on the left side of the bike.



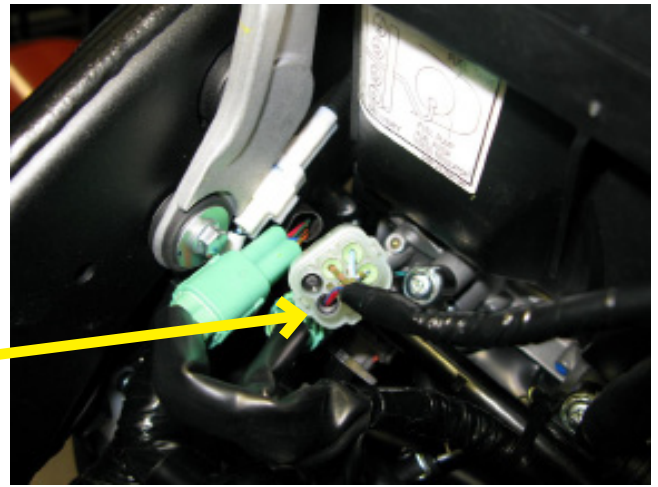
3. Route the Bazzaz **LOWER INJECTOR** connectors to the cylinder #1 lower factory injectors. Disconnect the factory injector connectors from each injector and connect the Bazzaz injector connectors in-line with the factory connectors.
4. Locate the Throttle Position Sensor (TPS) and connector on the left side of the throttle body. Trim the sheathing back of the TPS connector to expose the wire. Crimp a supplied Scotchlok onto the exposed **black/blue** wire of the TPS connector and insert the Bazzaz **TPS** connector having the gray wire into the Scotchlok.

Next crimp a supplied Scotchlok onto the exposed **white** wire of the TPS connector and insert the Bazzaz **TPS** connector having the blue wire into the Scotchlok.



5. Now locate the factory **SECONDARY INJECTOR** connectors located just above #1 injector. Disconnect the factory secondary injector connectors and plug the Bazzaz secondary injector connectors in-line with the factory connectors.

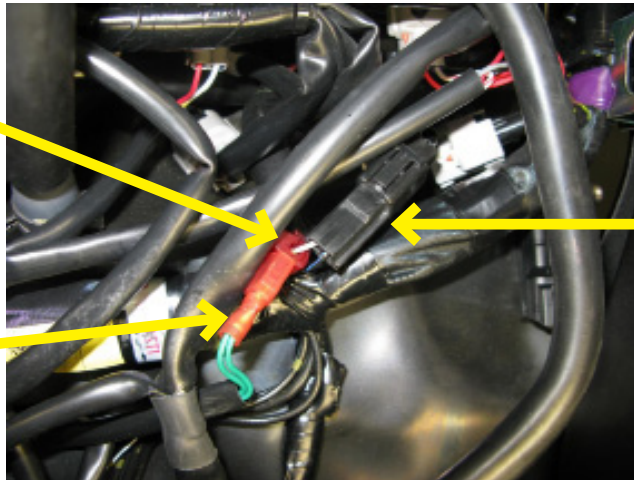
Secondary injector connectors
(shown before disconnecting
and plugging in-line with Bazzaz
connectors)



6. Locate the factory Crank Position Sensor (CKPS) connector found just behind the #4 injector. Using a supplied Scotchlok, crimp onto the **gray** wire of the CKPS connector and insert the Bazzaz **CKPS** connector into the Scotchlok. Make sure you are crimping onto the gray wire that is on the factory harness side of the connector.

Scotchlok crimped onto
the gray wire

Bazzaz CKPS connector

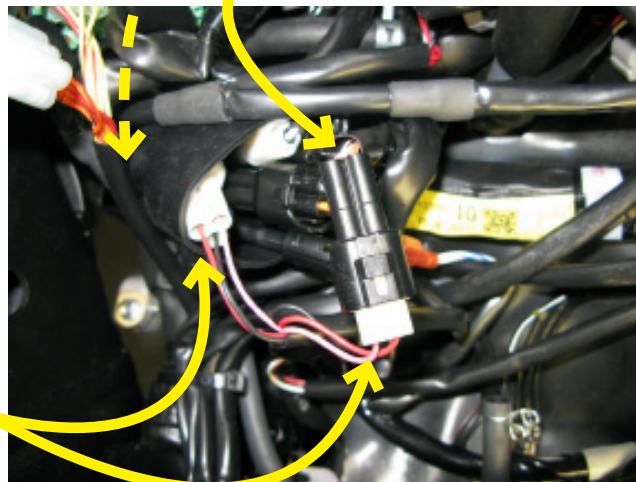


Factory CKPS connector

7. Next, locate the factory speed sensor connectors which are in the black plastic hood found at the front left side of the engine compartment. Disconnect the factory speed sensor connectors and plug the Bazzaz **SPEED** connectors in-line with the factory connectors.

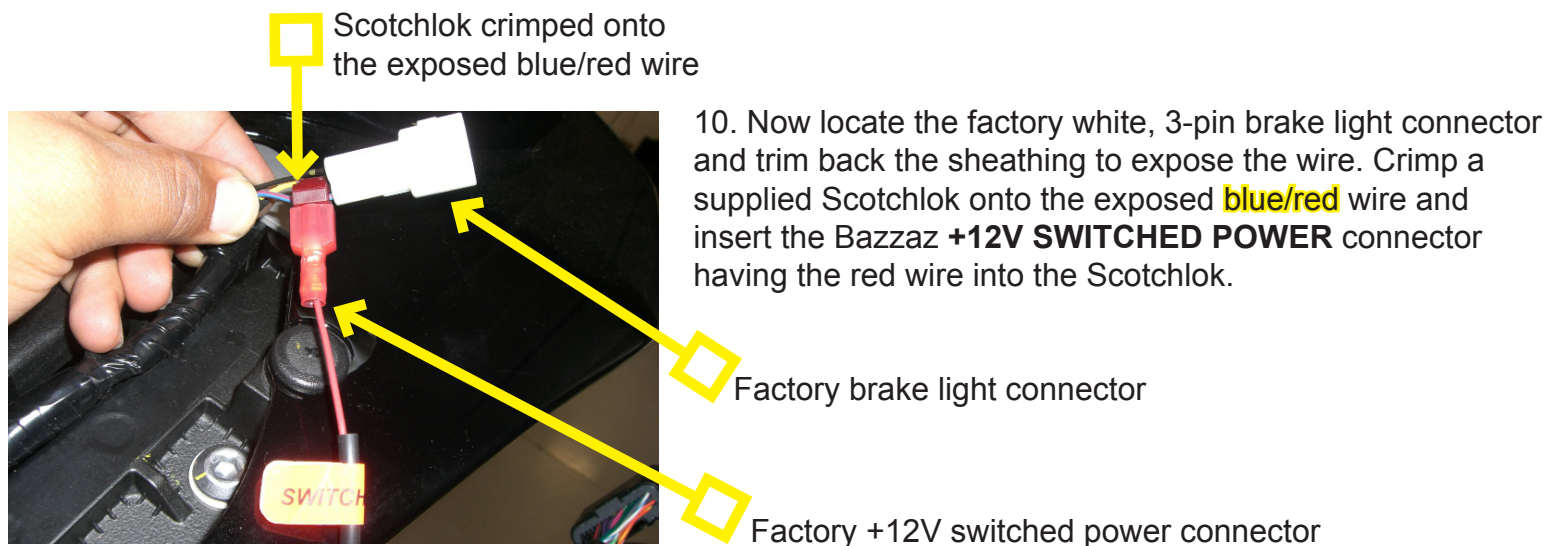
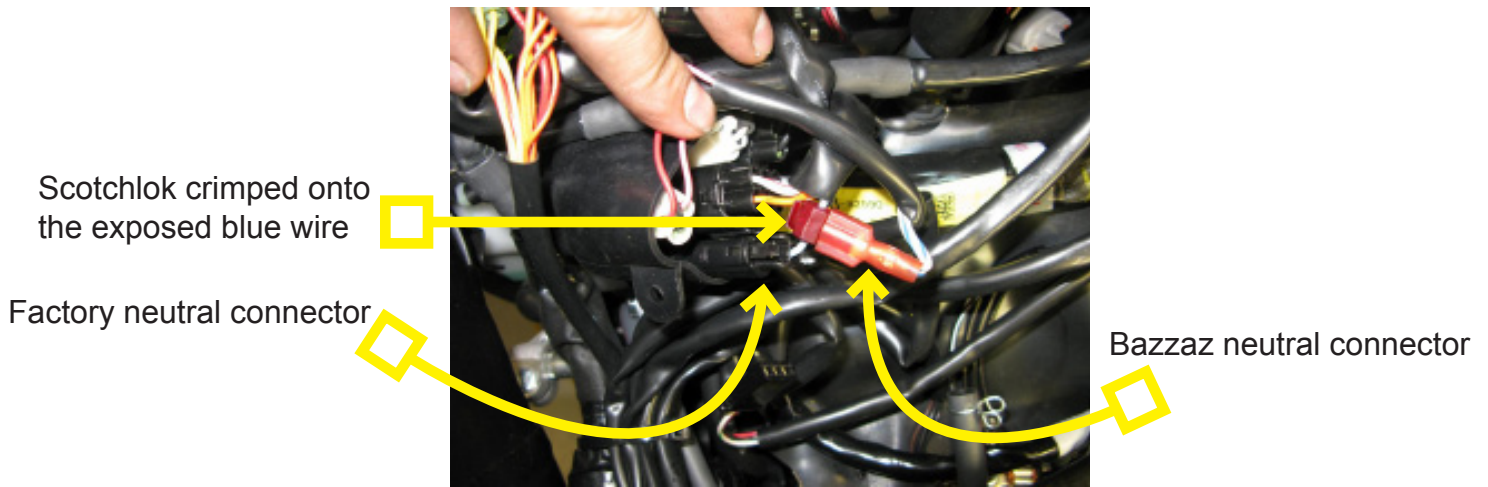
Factory speed connectors
(connector in boot is hidden)

Bazzaz speed connectors



8. Attach the Bazzaz **GROUND** lug to a solid chassis ground on the crankcase.

9. Locate the factory neutral connector which is in the black plastic hood found at the front left side of the engine compartment. Trim back the sheathing of the neutral connector to expose the wire. Crimp a supplied Scotchlok onto the exposed **blue** wire and insert the Bazzaz **NEUTRAL** connector having the blue/white wire into the Scotchlok.

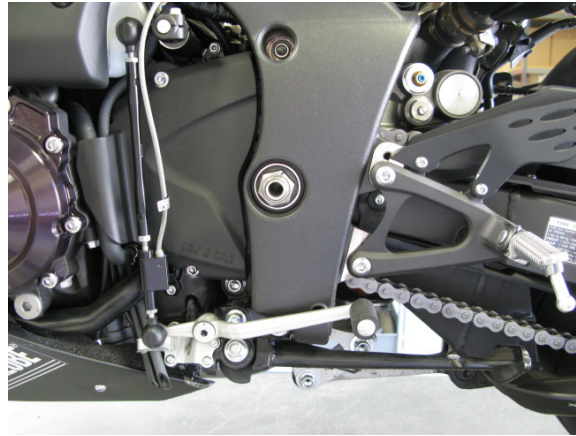


11. Next you will need to disconnect the Factory **O2 SENSOR**. The O2 sensor connector is located on top of the clutch cover. This sensor will no longer be used; the wires should be neatly secured away from any moving components, or the sensor may be removed and the remaining port/bung in the exhaust can then be plugged.

12. Connect the main connector of the Bazzaz **COIL HARNESS** to the control unit and route the harness on the right side of the bike.

13. Disconnect the factory coil connectors from the stick coils and plug the Bazzaz **COIL** connectors in-line between the factory stick coils and connectors.

14. Now you will begin the installation of the **SHIFT SWITCH** by removing the factory shift rod. Next install the Bazzaz shift switch onto the bottom linkage; then install the supplied **SHIFT ROD** between the top linkage and the shift switch. Adjust the foot pedal to preferred height and secure components by tightening the 10mm nuts. Route the shift switch connector up to its mating connector on the Bazzaz coil harness.



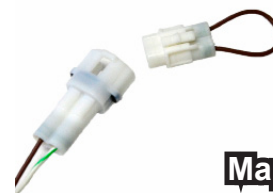
15. To complete the installation, use the supplied cable ties to secure the harnesses neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call **Bazzaz tech support at (909) 597-8300**. After it is determined that everything is correct, reinstall the components removed in step one and the installation will be complete.

The Bazzaz control unit is capable of storing two maps. These maps can be selected by connecting or disconnecting the map select jumper on the fuel harness (or you can switch maps on the fly with the handle bar mounted map select switch, sold separately). When the map select jumper is connected, the control unit is operating using map 1. When the map select jumper is disconnected, the control unit is operating using map 2.

The control unit is pre-programmed from the factory with an enhanced map in the map 1 position. The map 2 position is using the stock ECU map. You are able to load and unload maps as needed via the Z-Fi Mapper software.

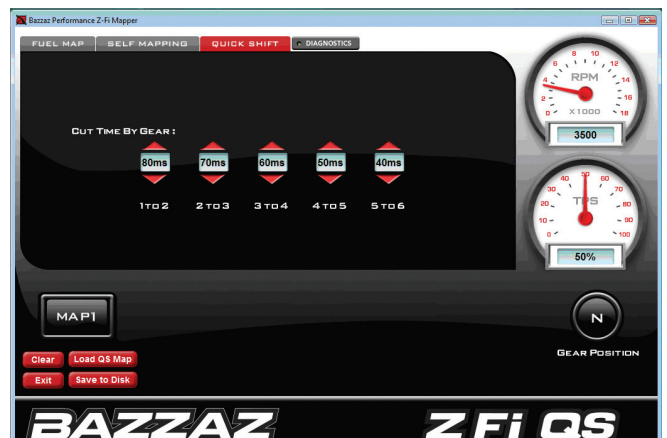
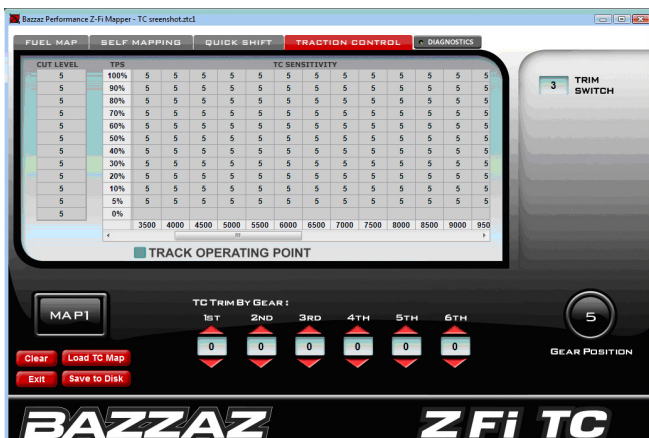


Map1



Map2

Don't forget to download the Z-Fi Mapper software from www.bazzaz.net (under the software tab) so that you can adjust your fuel map, QS or TC settings (depending on the product you purchased). You will also need access to the Z-Fi Mapper software if you will be using the Z-AFM self-mapping kit.



Accessories you may be interested in to ENHANCE your Bazzaz experience

Z-AFM™ | Tuning Technology (for use with all Bazzaz fuel control units)

Quickly collect data to build ideal, self-made fuel maps while riding. [Part No. 127062]



Map Select Switch (for use with the Z-Fi, Z-Fi MX, Z-Fi QS and Z-Fi TC)

The Bazzaz Map Select Switch is a handlebar-mounted switch for convenient toggling between two maps held on the Bazzaz unit. For example, rider can toggle between a fuel efficient map, rain map, or a full power map. [Part No. 127078]



Traction Control / Map Select Switch (for use with Z-Fi TC only)

The Bazzaz TC Adjust Switch is a handlebar-mounted switch for easy, on the fly, traction control adjustments and map switching. Quickly adjust traction control settings (a great way to learn TC), or switch off, using a 10-point dial. Also toggle between two maps held on the Bazzaz unit (e.g. rain map, fuel economy map, etc.) on the fly. [Part No. 127079]



Traction Control Active Light (for use with Z-Fi TC)

TC Active Light illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated. [Part No.M842]

