KAWASAKI CONCOURS 2010-2013

Z-Fi QS (Quickshift) / Z-Fi TC (Traction Control) Installation Instructions

Part #'s S450S, S450R, T450S, T450R

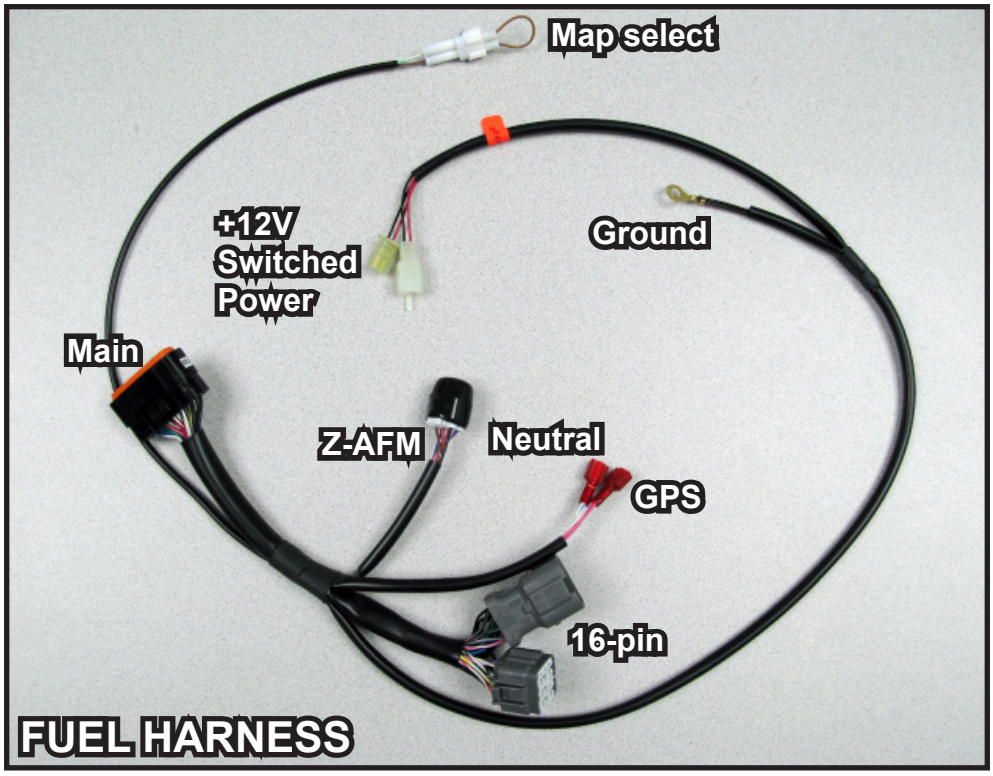
Parts List:

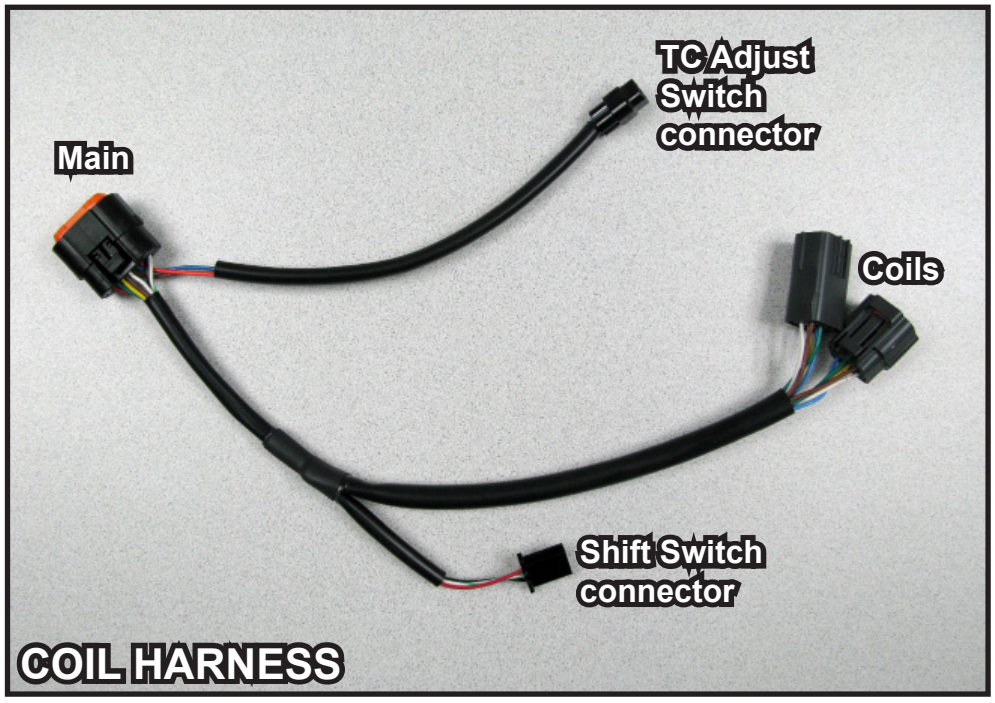
Z-Fi QS/TC Control Unit
Fuel Harness
Coil Harness
Shift Switch & Mounting Hardware
Scotchlok (2)
Cable Ties
Velcro
USB Cable
Swingarm Stickers
Download Z-Fi Mapper Software at **bazzaz.net**
Software instructions available at **bazzaz.net**

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

BAZZAZ HARNESS CONNECTOR IDENTIFICATION

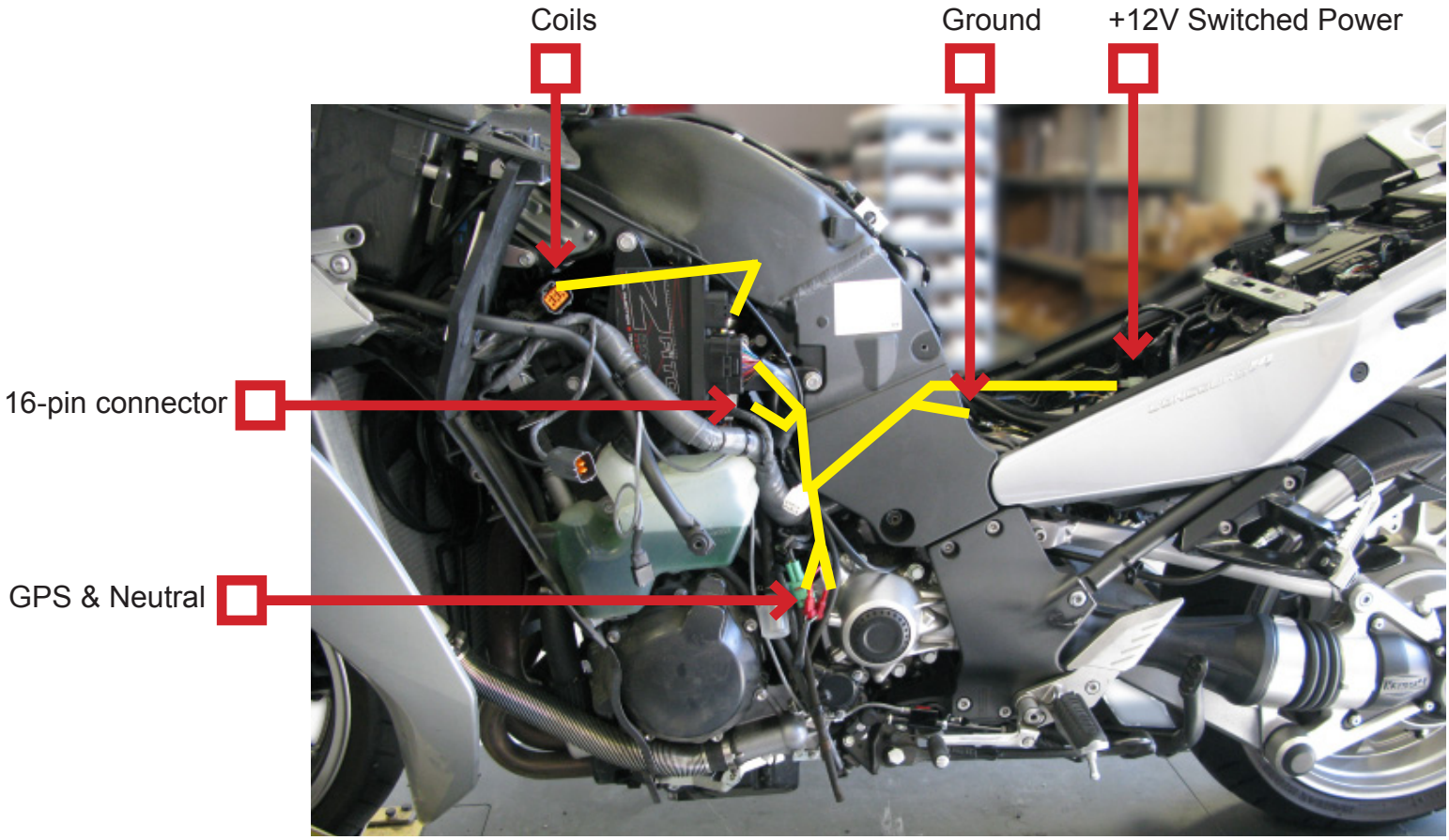




Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. Refer to a factory service manual for more specific stock component identification and location information.

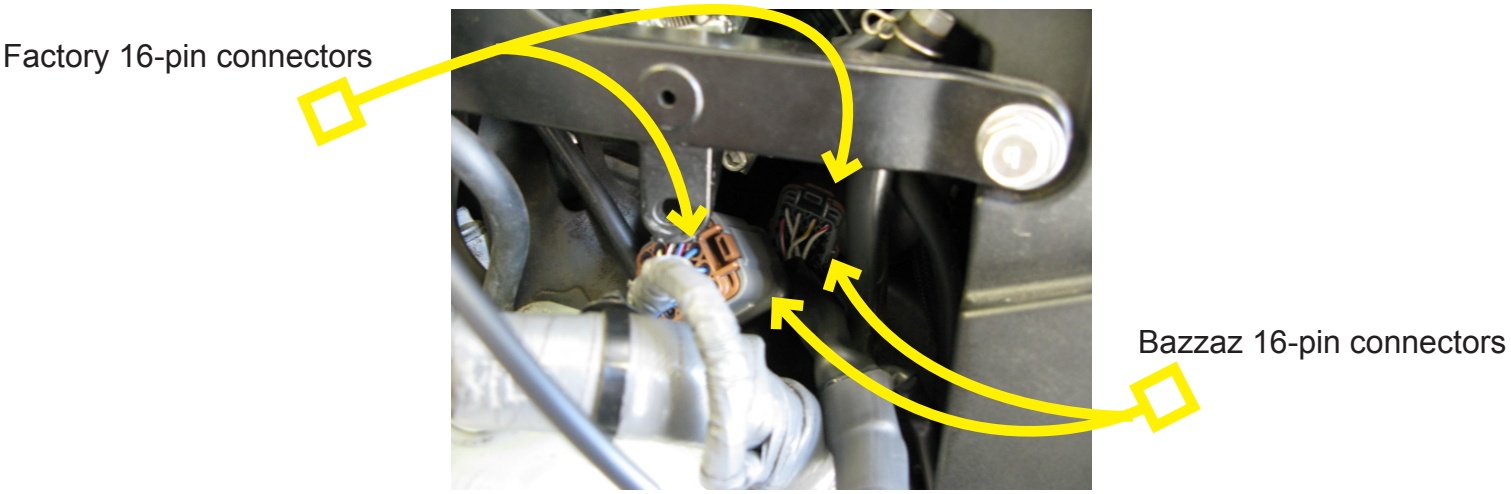
WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

1. Begin the installation by removing the seat, fuel tank, and left side fairing. Secure the control unit on the left side of the frame with the supplied Velcro patch (it may be necessary to move some of the stock wiring harness out of the way).

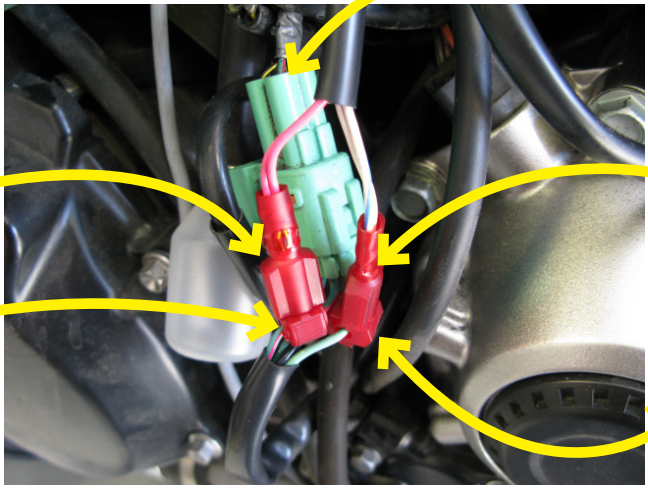


Harness routing shown in yellow; stock component identification and location shown for reference.

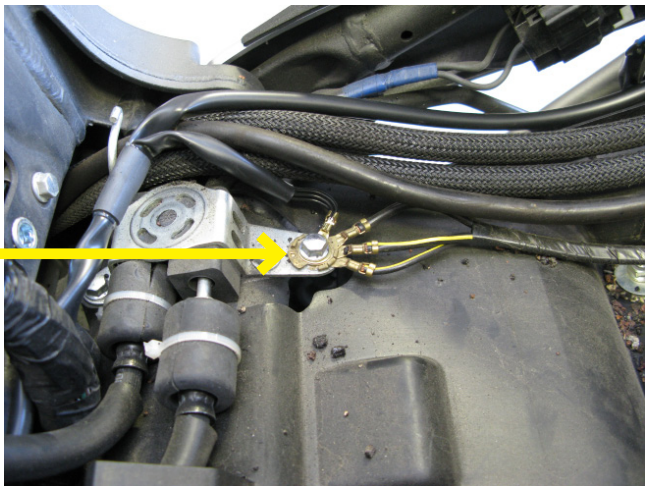
2. Connect the main connector of the Bazzaz **FUEL HARNESS** to the control unit. Locate the large, brown factory 16-pin connectors inside the engine compartment, behind the cylinders. These connectors contain the signal wires for the injectors, crank position sensor (CKPS) and throttle position senor (TPS). Disconnect the factory 16-pin connectors and connect the Bazzaz **16-PIN CONNECTORS** in-line with the factory connectors.

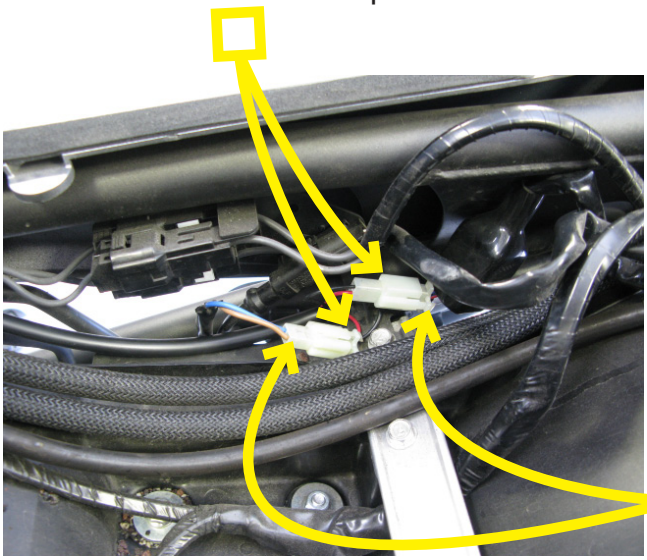


3. Locate the green gear position sensor (GPS) connectors found just behind the stator cover. Separate the green/red wire of the GPS connector from the rest. Now crimp a supplied Scotchlok onto the green/red wire and insert the Bazzaz **GPS** connector (has pink wire) into the Scotchlok. Crimp a second Scotchlok onto the light green wire of the same connector and insert the Bazzaz **NEUTRAL** connector (has white/blue wire) into the Scotchlok.



4. Route the remaining portion of the fuel harness behind the frame and into the area underneath the seat. Locate a suitable chassis ground and secure the Bazzaz **GROUND** lug to it.

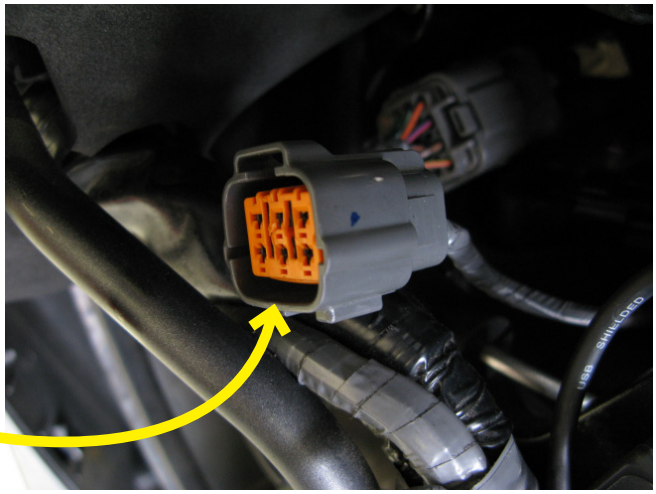




5. Locate the factory brake switch connectors on the right side of the under-seat area. Disconnect the factory brake switch connectors and plug the Bazzaz **+12V SWITHCED POWER** connectors in-line with the factory connectors.

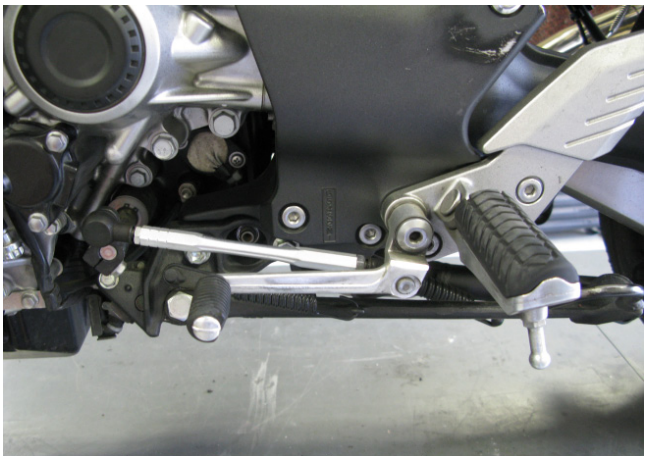
6. Be sure to route the Bazzaz **MAP SELECT** jumper to a location where you will be able to access it without removing any fairings.

7. Now connect the main connector of the Bazzaz **COIL HARNESS** to the control unit and route the harness forward, to the 6-pin factory coil connectors (located in front of where the Bazzaz control unit is mounted). Disconnect the factory coil connectors and plug the Bazzaz **COIL** connectors in-line with the factory connectors.

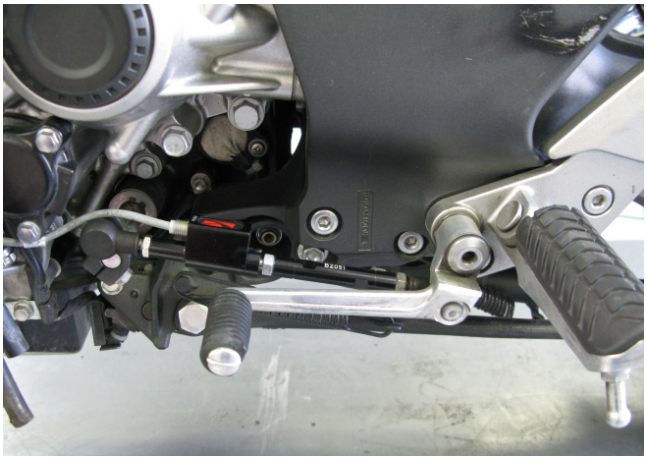


One of the factory coil connectors shown unplugged. Bazzaz coil connectors should be plugged in-line with both factory connectors.

8. Now you will begin the installation of the Bazzaz **SHIFT SWITCH** and **ROD**. Start by removing the factory shift rod and then install the Bazzaz shift switch on the front shift linkage. Next install the Bazzaz shift rod by screwing it into place between the Bazzaz shift switch and the rear shift linkage. The supplied shift rod may have to be cut shorter depending on your shift pedal height preference. Once correct length is attained, secure components by tightening the 10mm nuts. Route the shift switch connector up to the mating connector on the Bazzaz coil harness.



Stock



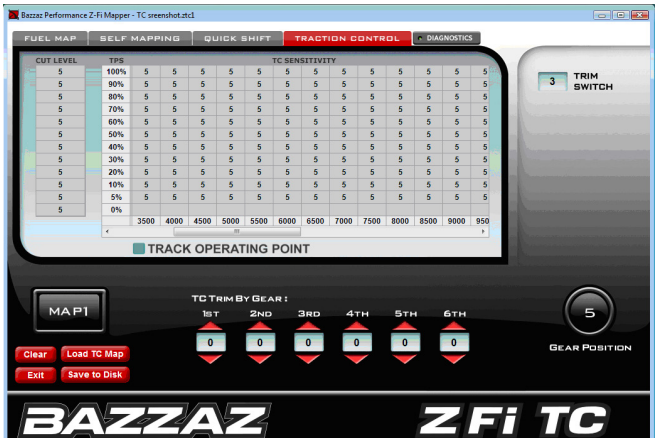
Bazzaz (standard shift shown)

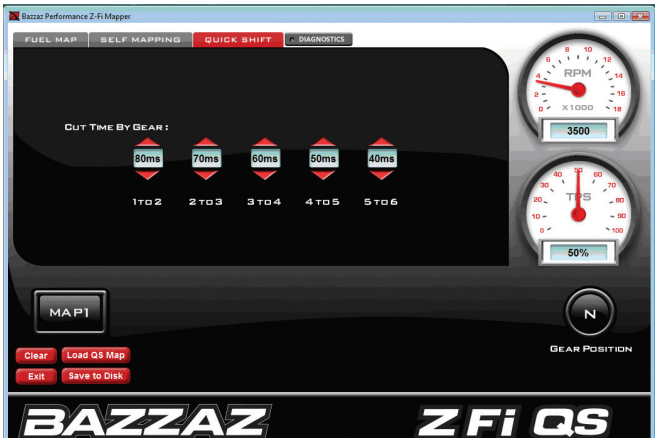
9. To complete the installation, use the supplied cable ties to secure the harnesses neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system). If any problem is found, please carefully follow through the installation steps again. If problem 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.

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]