



2010-2013 Kawasaki Z1000
2011-2013 Kawasaki Ninja 1000

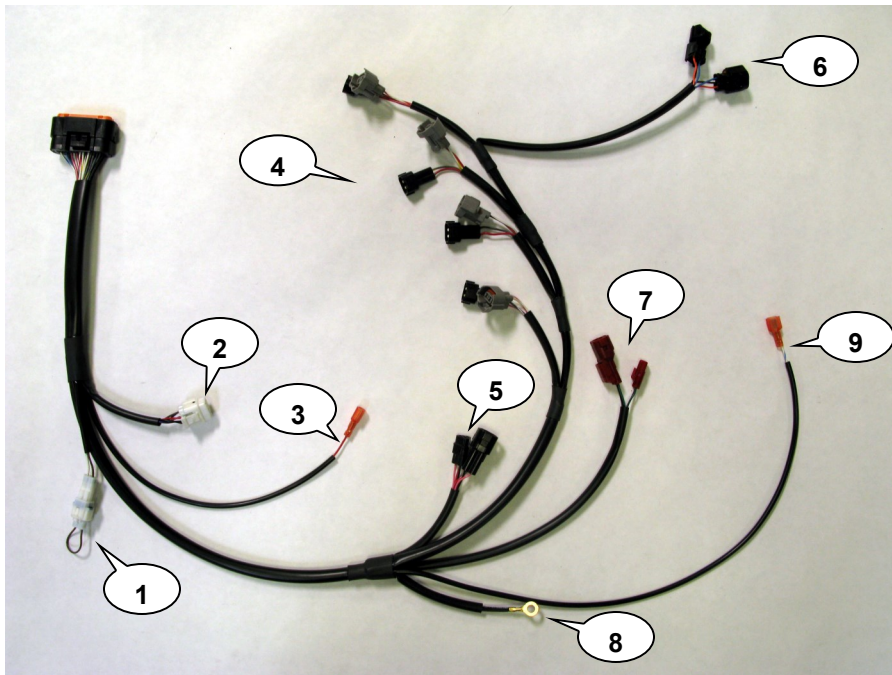
Z-Fi TC INSTALLATION INSTRUCTIONS
P/N T490

WARNING!

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

Z-Fi products do not meet California CARB highway requirements

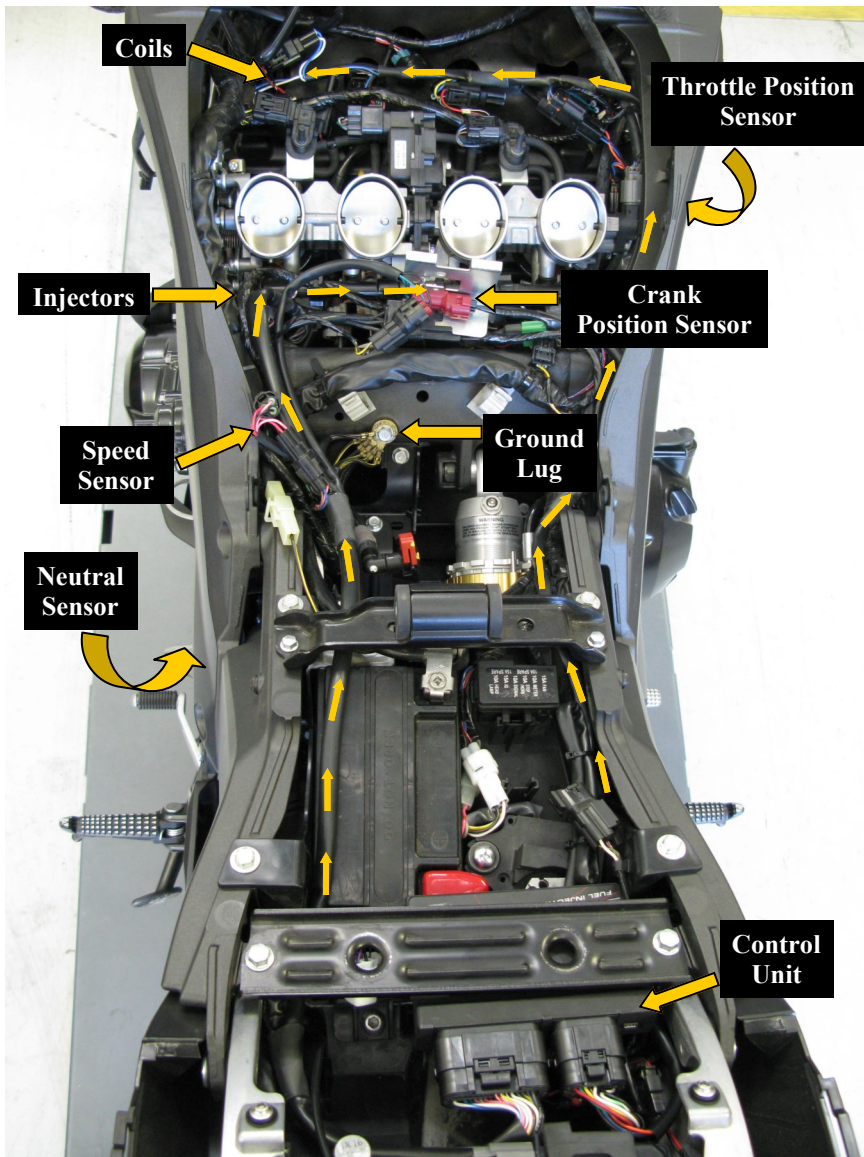
Z-Fi TC/QS CONTROL UNIT
FUEL HARNESS
COIL HARNESS
SHIFT SWITCH & MOUNTING HARDWARE
DOWNLOAD Z-FI MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE
USB CABLE
SCOTCHLOK
SWINGARM STICKERS



- (1) MAP SELECT
- (2) ZAFM CONNECTOR
- (3) SWITCHED POWER
- (4) INJECTOR CONNECTORS
- (5) SPEED SENSOR
- (6) THROTTLE POSITION SENSOR
- (7) CRANK POSITION SENSOR
- (8) GROUND LUG
- (9) NEUTRAL DETECT

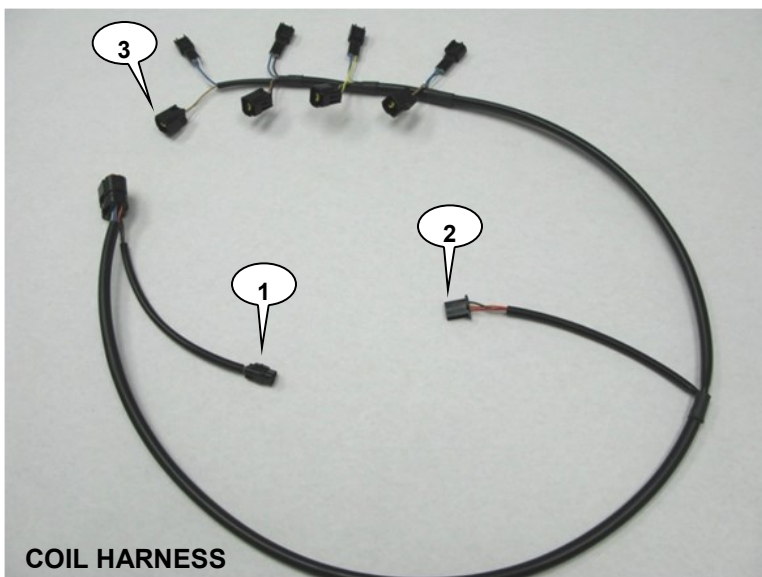
After installing kit, verify the corresponding map for your model is selected.
Map 1 contains a map for the Z1000 and Map 2 contains a map for the Ninja 1000.

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



Note:
 Photo serves as a reference for the general location of component connectors that are required to be accessed throughout the installation. Please refer to your service manual for exact component locations.

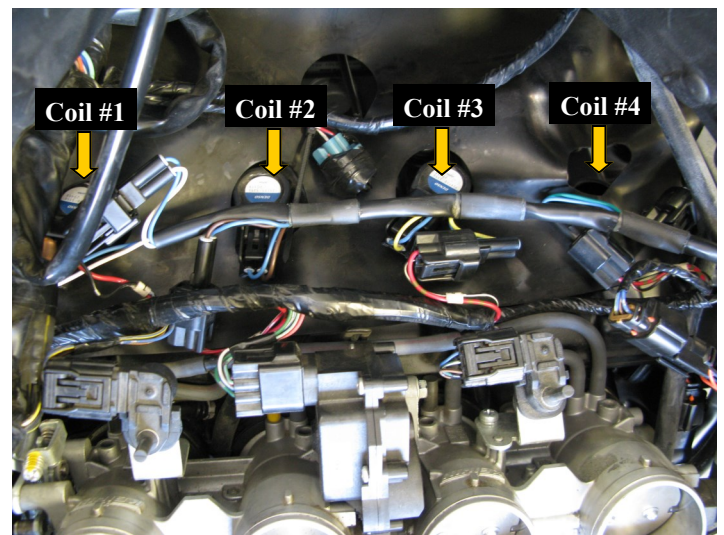
Route the fuel harness on left side and coil harness on the right side. Recommended Bazzaz harness routing is shown with yellow arrows.



COIL HARNESS

Coil Harness:

- (1) TC adjust switch connection (n/a for Z-Fi QS)
- (2) Shift switch connection
- (3) Coil #1



Bazzaz coil harness installed

**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN
INSTALL THIS BAZZAZ PRODUCT**

1. Begin the installation by removing seats, plastic tank side panels, fuel tank and the air box.
2. Mount the control unit under the rider seat support bracket using a cable tie supplied with the kit. Connect the Bazzaz fuel harness to the control unit and route the remainder of the harness inside the left frame rail into the engine compartment. (Photo 1)

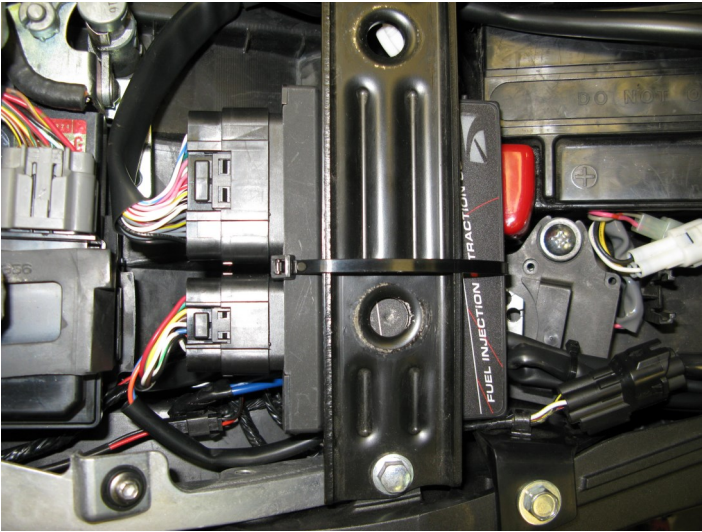


Photo 1

Note: When installing on the Ninja 1000, the charcoal canister may need to be removed in order to mount the control unit.

3. Locate the factory speed sensor connectors found near the frame support cross section which also contains the chassis ground. Disconnect the factory harness and sensor connectors and connect the mating Bazzaz speed sensor connector's inline. (Photo 2 & 3)

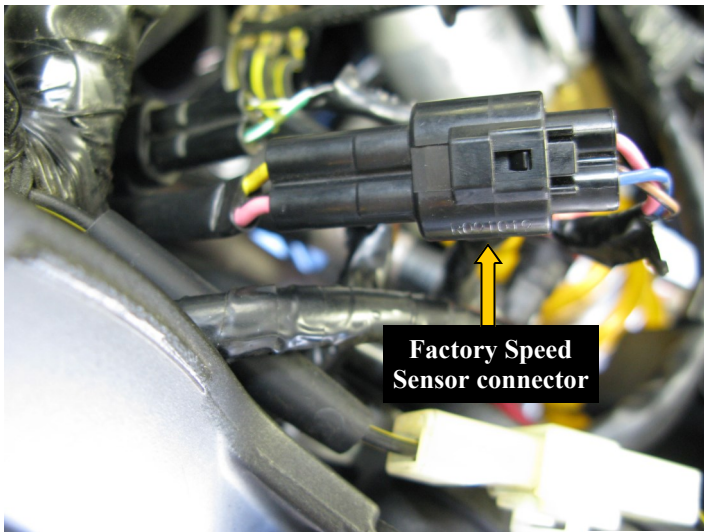


Photo 2

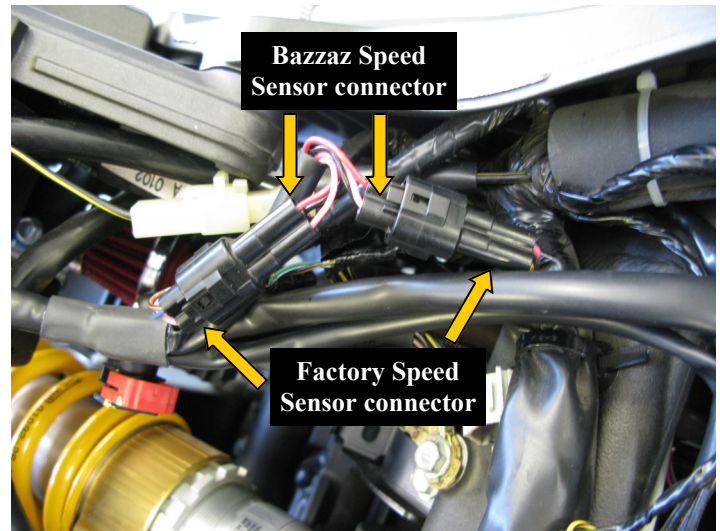


Photo 3

4. Momentarily, remove the factory 10mm bolt securing the various chassis ground connections to the frame and install the ground lug from the Bazzaz harness, then reinstall the factory bolt securing all chassis grounds back into place.(Photo 4)

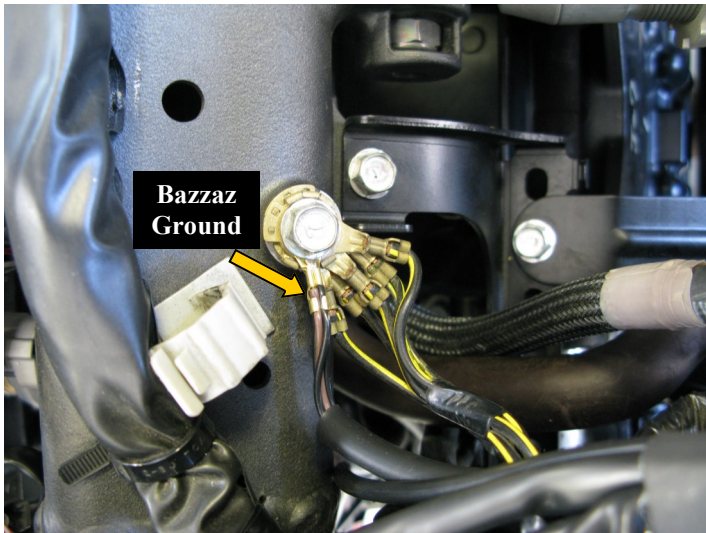


Photo 4

5. Route the neutral detect wire (white/blue) of the Bazzaz harness down the left side of the motorcycle near the shift lever and locate the factory harness neutral sensor wire (light blue). Crimp one of the scotchlok connectors supplied with the kit onto the factory harness wire and connect the Bazzaz neutral sensor connector. (Photos 5 & 6)

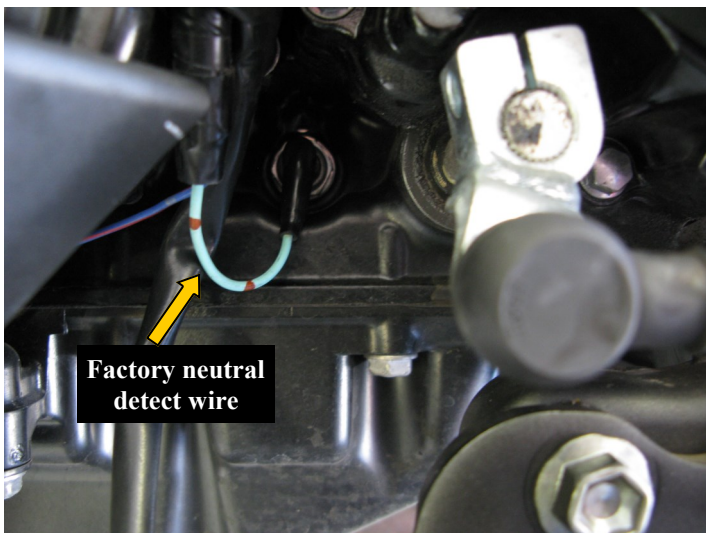


Photo 5

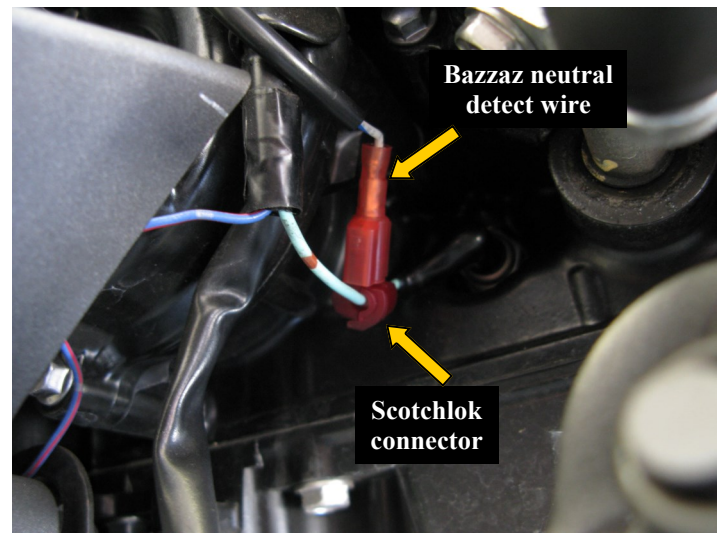


Photo 6

6. Normally found on the air box, there is a bracket which is used to secure multiple factory harness connections. Among these connections you will find the factory crank position sensor (CPS) connectors. Disconnect the factory harness and sensor connectors and connect the mating Bazzaz "CPS" connectors inline. (Photos 7 & 8)

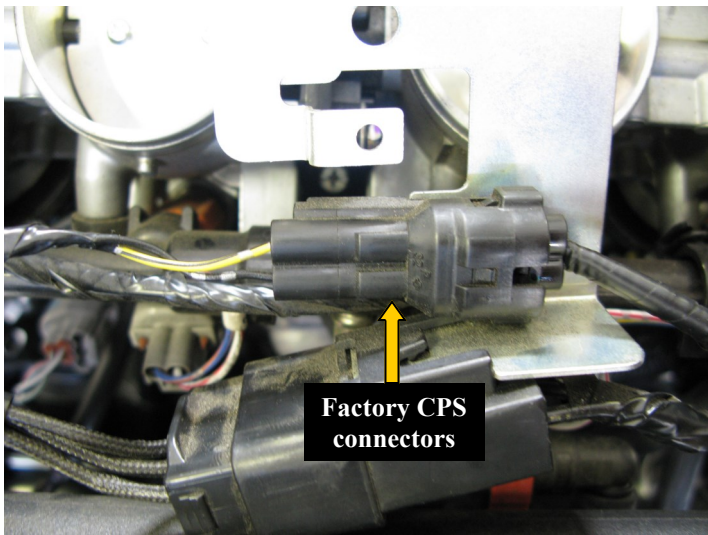


Photo 7

Bazzaz harness connected with air box reinstalled

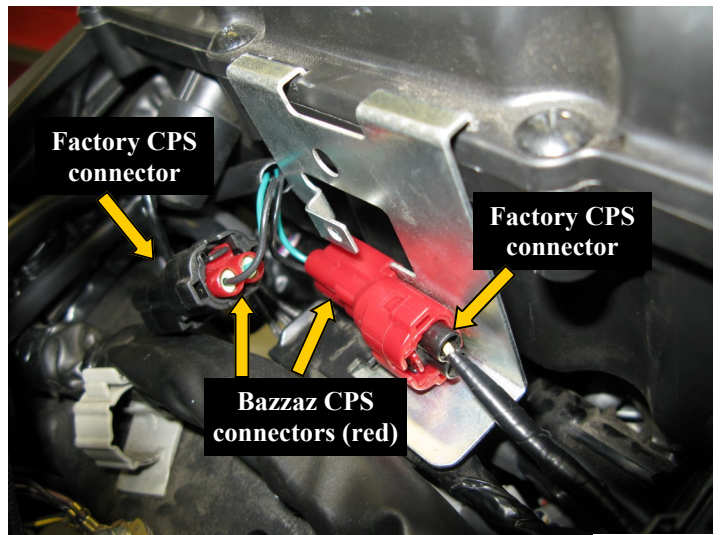


Photo 8

7. The Bazzaz fuel harness contains connectors to be installed in line with the injector and factory harness injector connectors for each cylinder. Begin by installing the pair of mating connectors on the Bazzaz harness labeled “cylinder 1” in line with the factory connectors for the left most cylinder. Continue this process for cylinders 2-4. (Photos 9 & 10)

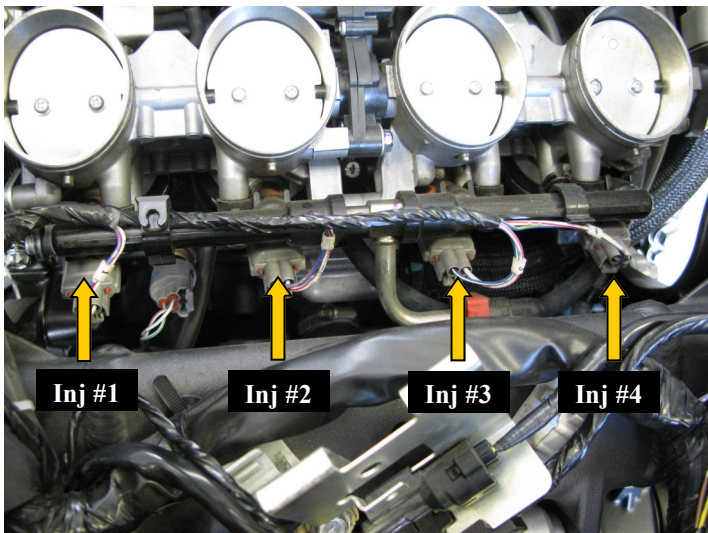


Photo 9

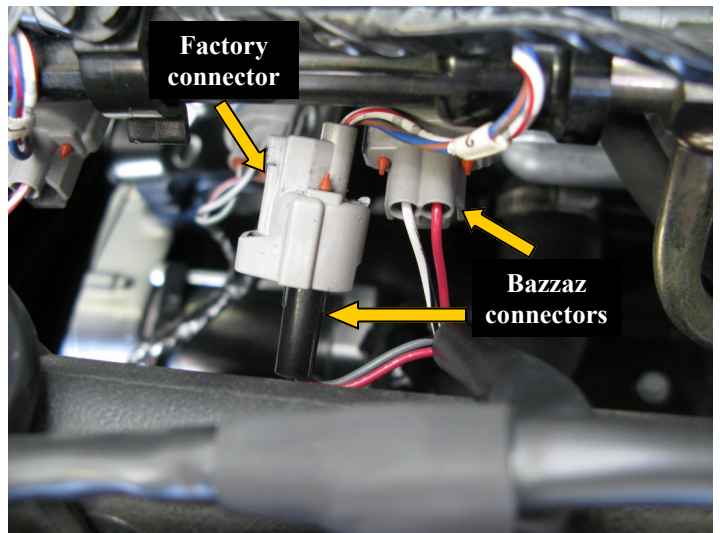


Photo 10

8. Once the injector connections explained in the previous step have been made, two connectors will remain unconnected on the same section of the Bazzaz harness. These connectors are to be installed in line with the primary throttle position sensor (TPS) and mating factory harness connectors. Note: this vehicle is equipped with two TPS sensors, the Bazzaz harness must be installed in line with the primary sensor which is positioned lower on the throttle bodies for proper operation. (Photos 11 & 12)

Side view

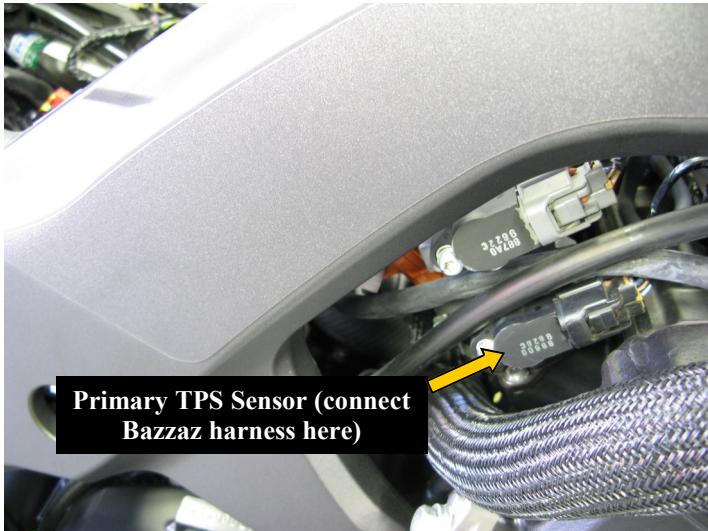


Photo 11

Top view

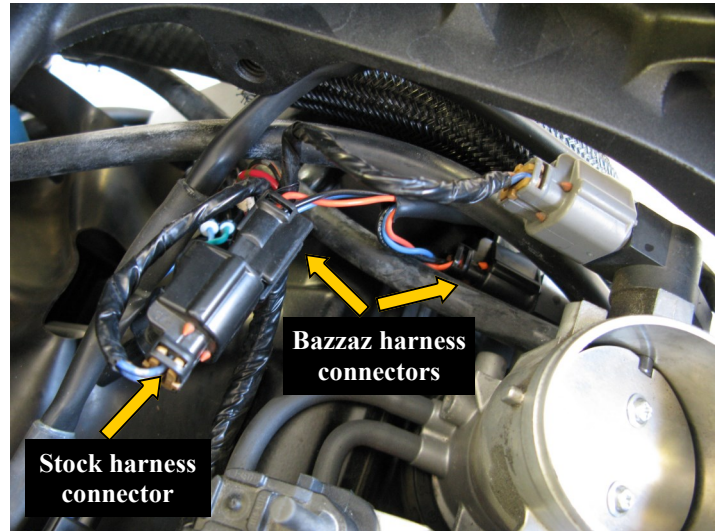


Photo 12

9. Locate the tail light connector found in the tail section under the rear seat. This connector contains a red wire which Bazzaz utilizes for a switched 12 volt power source for the control unit. Crimp one of the scotch lok connectors supplied with the kit onto the factory harness wire and connect the Bazzaz power wire (red) with T-tap connector. (Photo 13)

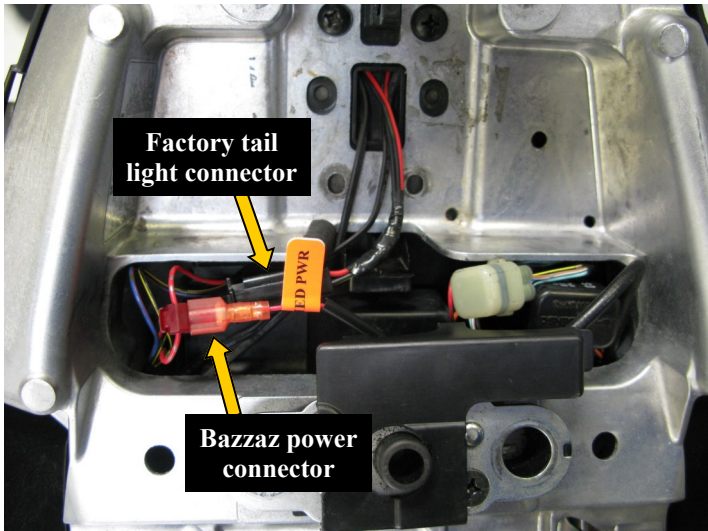


Photo 13

10. Install the Quick shifter. (Photo 14)

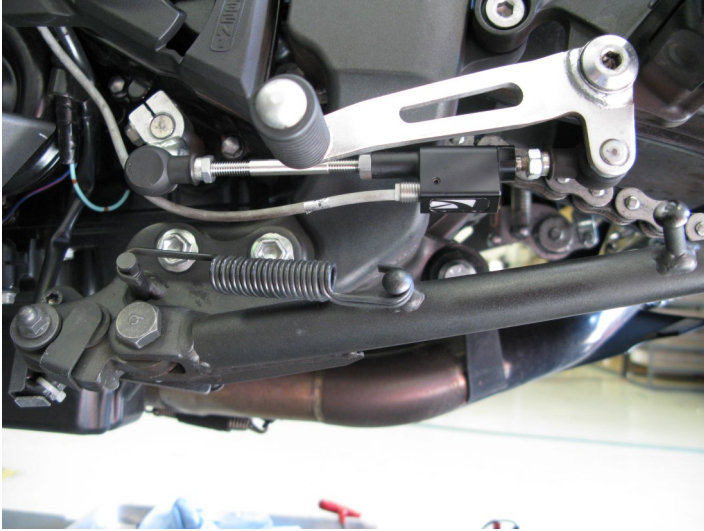


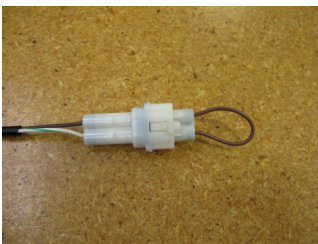
Photo 14

- A) Remove the stock shift rod.
- B) In place of the stock rod, install the Bazzaz shift switch on the rear shift linkage.
- C) Install the supplied replacement shift rod by screwing it into place between the Bazzaz shift switch and front shift linkage.
- D) Secure components by tightening 10mm nuts.
- E) Route shift switch sensor cable into engine compartment and connect it with mating connector on the Bazzaz coil harness. Secure shift switch cable away from any moving components as damage to the cable may cause shift switch sensor failure.

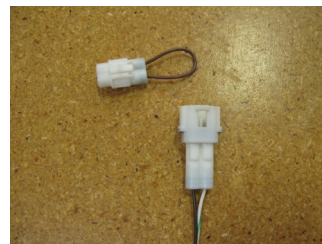
11. Reinstall fuel tank and start bike to verify proper installation and system functionality. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Bazzaz tech support department at (909) 597-8300. After it is determined that everything is correct reinstall the components removed in step 1.

The Bazzaz Z-Fi controller is capable of storing two maps. These maps can be selected through the use of a map select switch which can be mounted on the handlebar for easy access and can be purchased separately. Or these maps can be selected by connecting or disconnecting the map select jumper supplied with kit. 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.

**After installing kit, verify the corresponding map for your model is selected.
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Map 1



Map 2

*** To create the ideal map(s) we recommend using the optional Z-AFM self-tuning module. ***