



## 2009-2013 LT-Z400 Z-Fi MX

INSTALLATION INSTRUCTIONS

P/N F611

### **WARNING!**

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

### **PARTS LIST:**

**Z-Fi MX Control Unit**

**Fuel Harness**

**DOWNLOAD Z-Fi MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE**

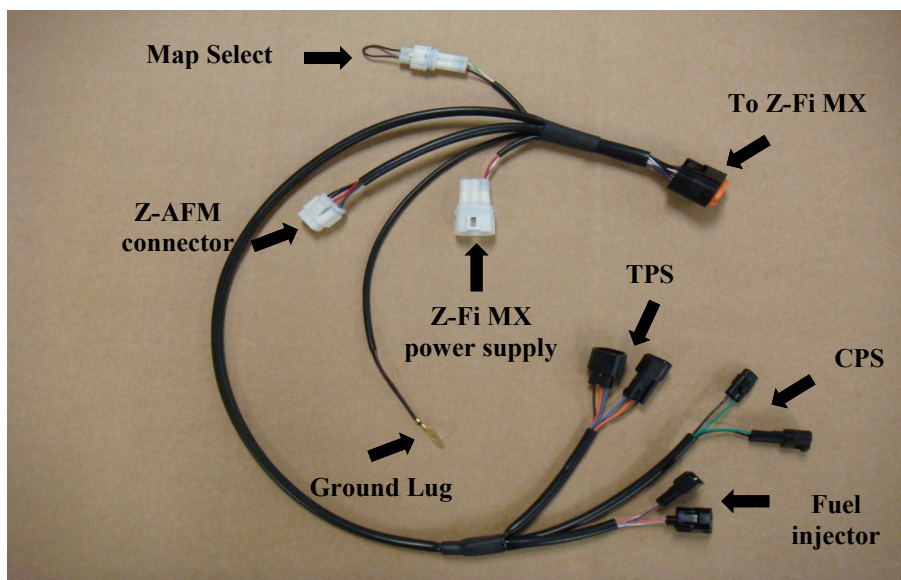
**USB Cable**

**Z-Fi MX aluminum bracket**

**Velcro**

**Bazzaz stickers**

**Cable ties**

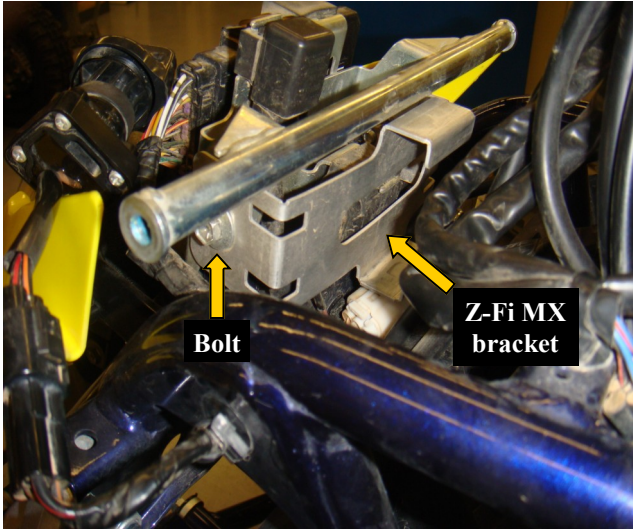


*Read through all instructions before beginning installation.*

*This is not a replacement for the ECU.*

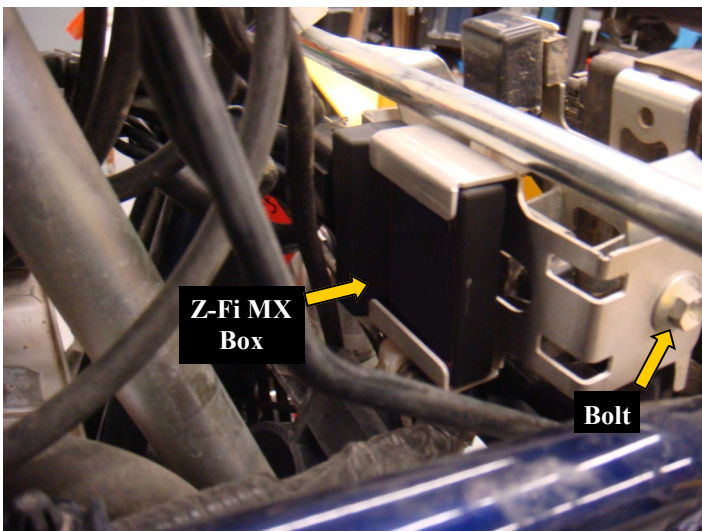
**WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN  
INSTALL THIS BAZZAZ PRODUCT**

1. Remove the seat, left and right side covers, fuel tank cover, fuel tank and front fender. Refer to factory service manual.
2. Remove the two OEM bolts holding the stock ECU and other components in place and install the Z-Fi MX bracket using the OEM bolts. (Photo 1)



**Photo 1**

3. Attach supplied Velcro adhesive to Z-Fi MX bracket and back of the Z-Fi. Connect the black Z-Fi harness connector into the Z-Fi. (Photo 2)



**Photo 2**

4. Remove the cap from the Suzuki diagnostic connector and connect the Z-Fi power supply connector. (Photo 3)

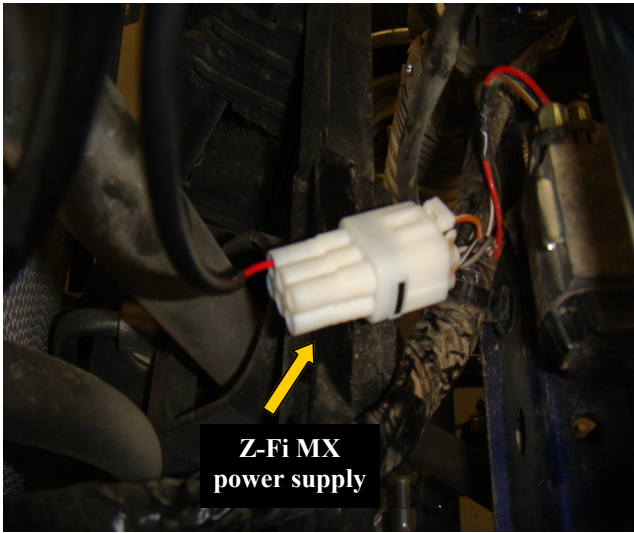


Photo 3

5. Attach the Z-Fi ground cable to the radiator mounting bolt. (Photo 4)

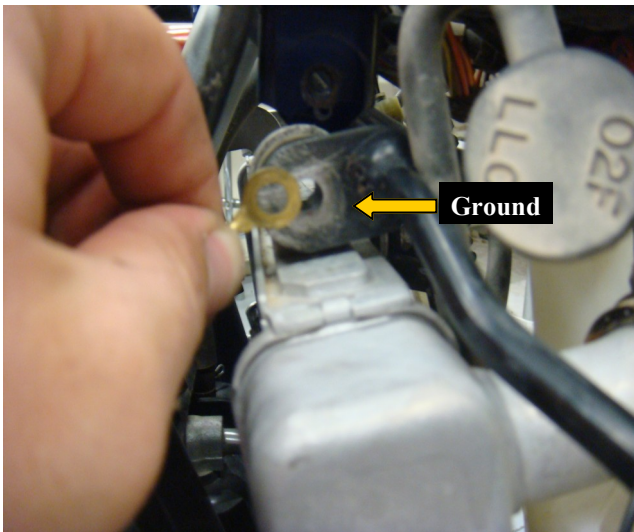


Photo 4

6. Route the Z-Fi harness from the Z-Fi control unit toward the injector & TPS compartment. Secure harness along the way with supplied cable ties. (Photo 5)

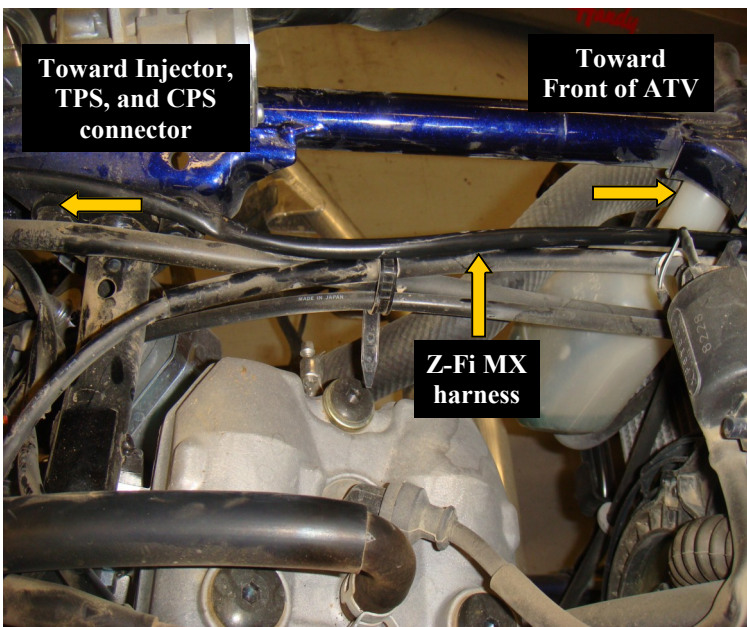
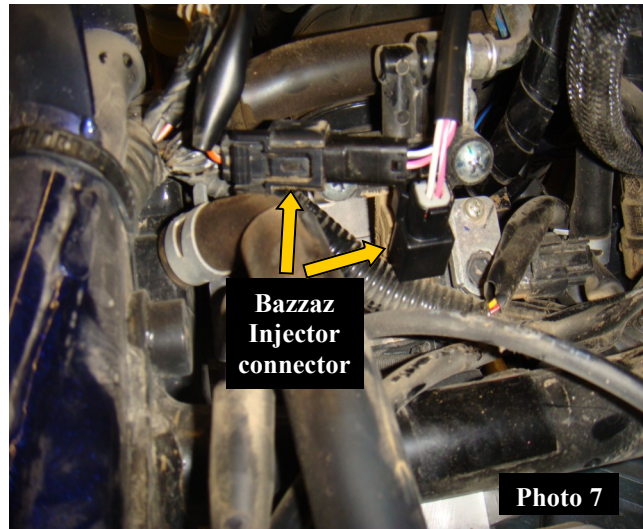
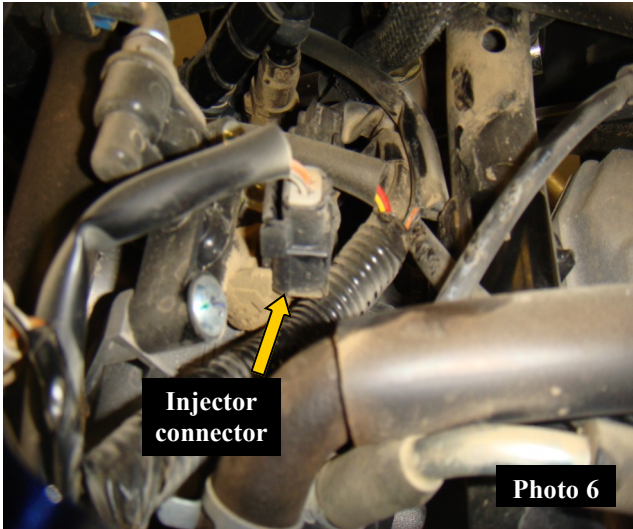


Photo 5

7. Locate the fuel injector (photo 6), disconnect the stock connector and connect the Z-Fi MX harness in-line with the fuel injector and stock connector. (Photo 7)



8. Unbolt the fuel pump and move it aside.

9. Locate the Throttle Position Sensor (TPS) connector near the left side of the frame. Disconnect the stock TPS connector and connect the Z-Fi MX harness in-line with the TPS sensor and connector. (Photo 8)

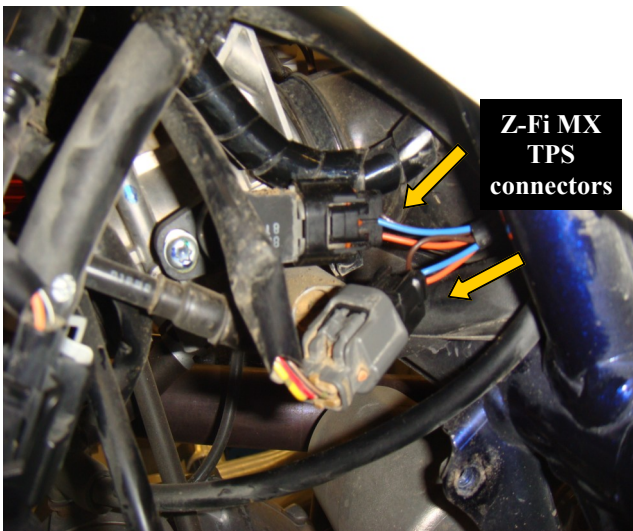


Photo 8

10. Locate the black two pin CPS connector (black & green wires) under the left rear fender (photo 9). Disconnect the stock connectors and connect the Z-Fi MX harness inline. (Photo 10)

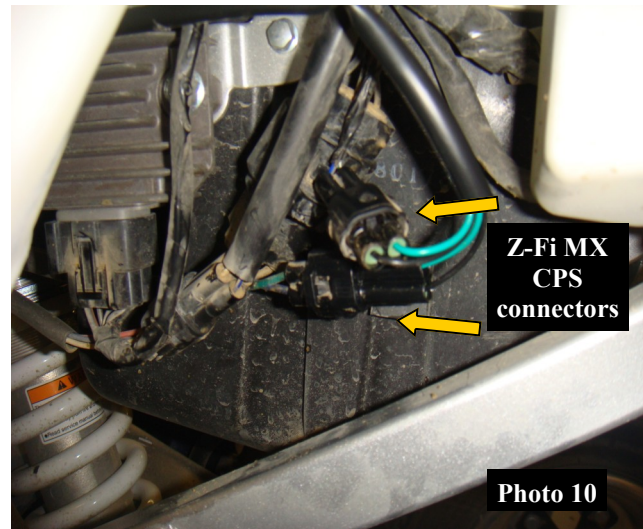
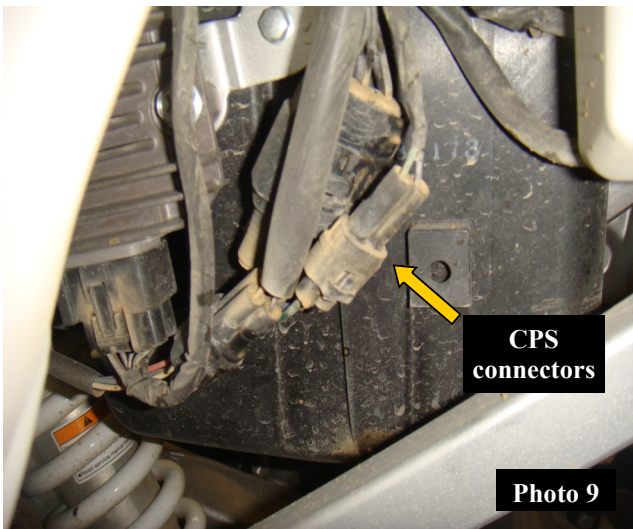


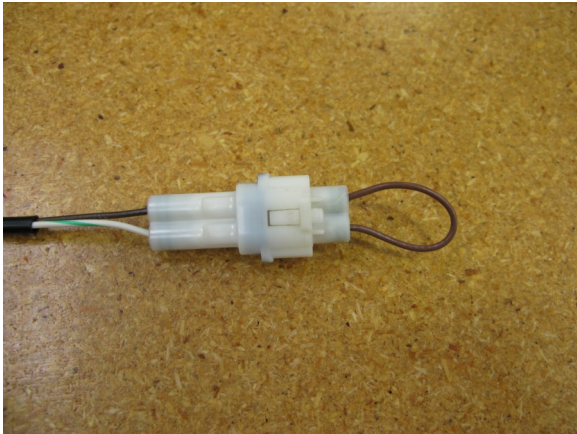
Photo 10

11. Check that all wiring connections are tight.

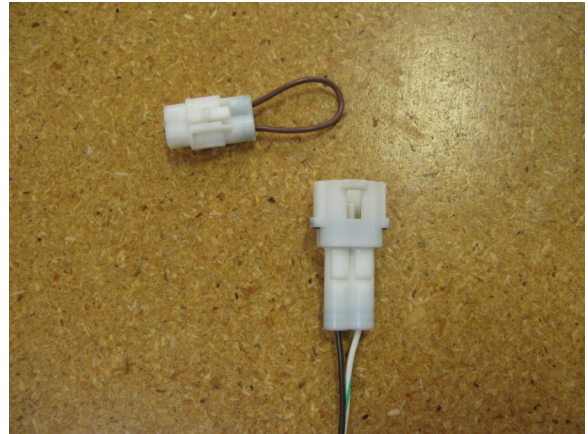
12. Reinstall headlights and bracket, front fender, fuel tank and cover, side panels, ignition switch, and seat. Check that wiring is not pinched or kinked.

13. 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.

The Bazzaz Z-Fi MX 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.



Map 1



Map 2

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