# 2014 YFZ450R Z-Fi MX
## INSTALLATION INSTRUCTIONS
### P/N F716

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

## PARTS LIST:
**Z-Fi MX Control Unit**
**Fuel Harness**
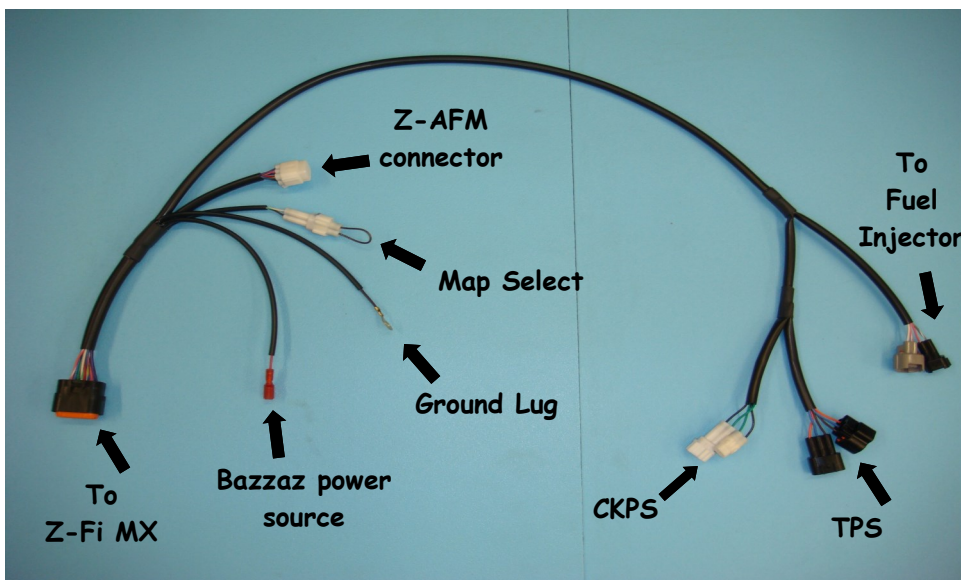**DOWNLOAD Z-Fi MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE**
**USB Cable**
**Z-Fi MX aluminum bracket**
**Velcro**
**Bazzaz stickers**
**Cable ties**



*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

*When routing the Z-Fi MX harness it is best to choose a routing path similar to that of the OEM harness. The Bazzaz harness is designed with lengths that allow for multiple scenarios, dependent of the installers individuals needs. IMPORTANT: Always secure harness clear of all moving components and the exhaust system. As contact with these components can result in damage to the harness.*

1. Remove the seat, left and right side covers, fuel tank cover, fuel tank, head lights and front fender. Refer to factory service manual.

2. Attach supplied velcro adhesive to Z-Fi bracket and back of Z-Fi controller.

3. Remove the left headlight mounting bracket bolts. Install Z-Fi mounting bracket over the stock headlight bracket reusing stock bolts. Install Z-Fi control unit into bracket and connect the black Z-Fi harness connector to the control unit. (Photo 1)
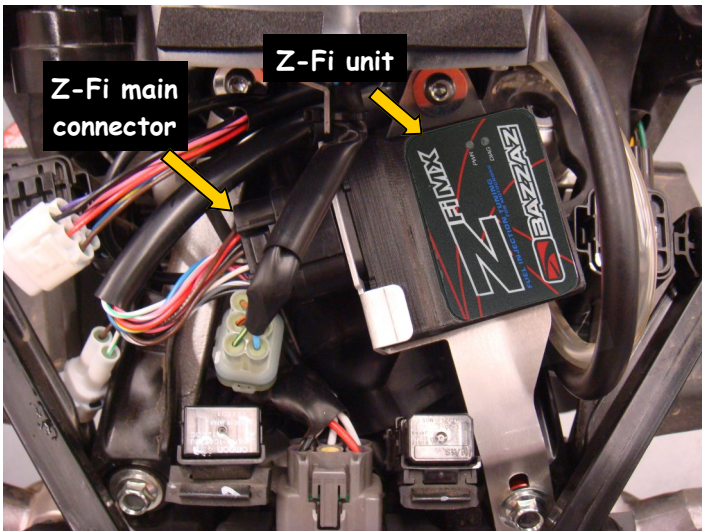


Photo 1

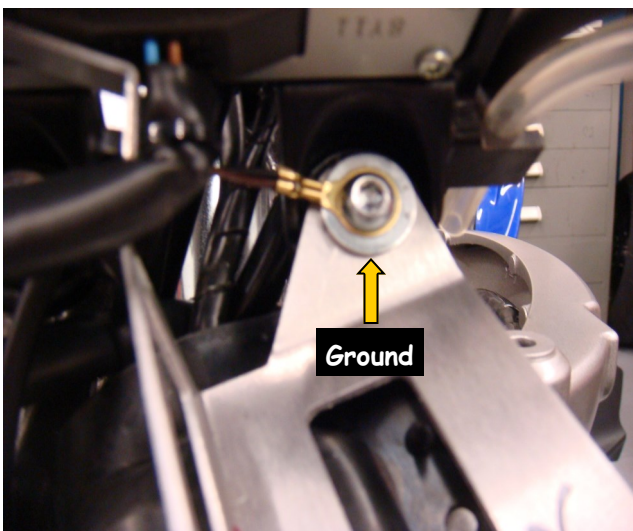4. Secure the Z-Fi harness ground lug to a solid chassis ground. (Photo 2)



Photo 2

5. Route the Z-Fi harness from the front of the ATV to the injector compartment. (Photo 3)

Z-Fi harness

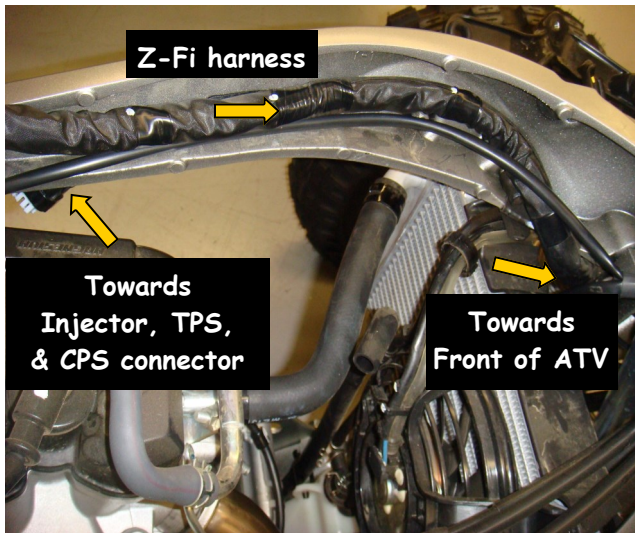Towards Injector, TPS, & CPS connector

Towards Front of ATV

Photo 3

6. Locate the black rubber wire protector near the front of the ATV, find the two pin black connector housing (one red and one brown wire). Using the "T" splice connector, splice into the brown wire coming from the black two pin connector (photo 4). Connect Z-Fi power wire to "T" splice connector.



Rubber wire protector

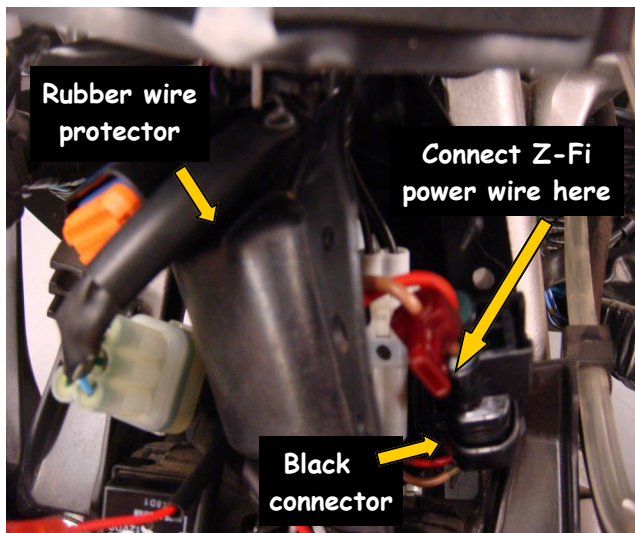Connect Z-Fi power wire here

Black connector

Photo 4

7. Locate the stock fuel injector (photo 5), disconnect the stock connector and connect the Z-Fi harness in-line with the fuel injector and stock connector. (Photo 6)
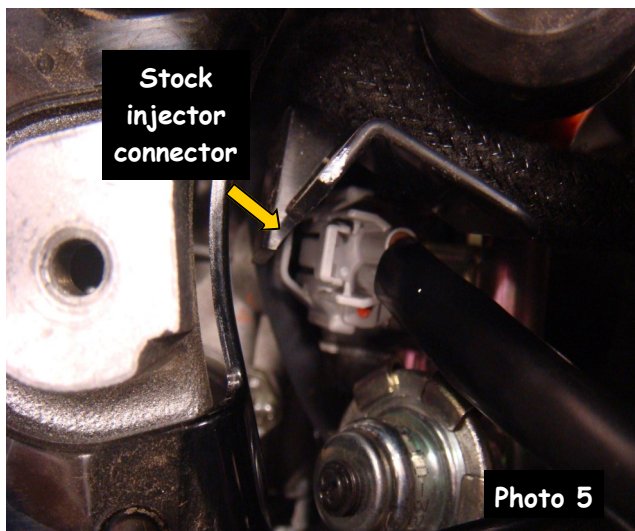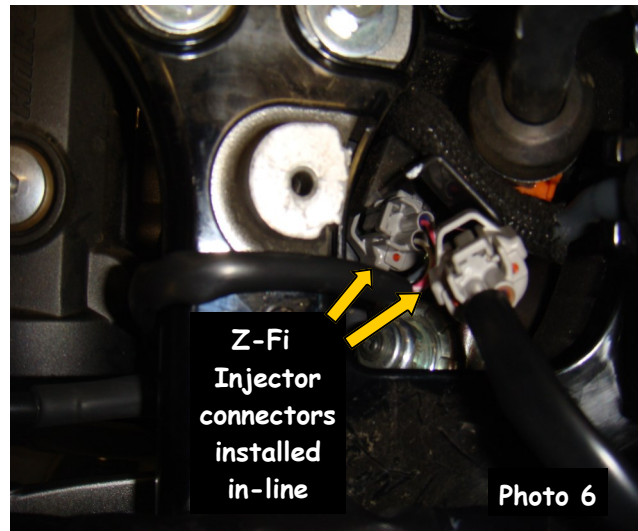


Stock injector connector

Photo 5



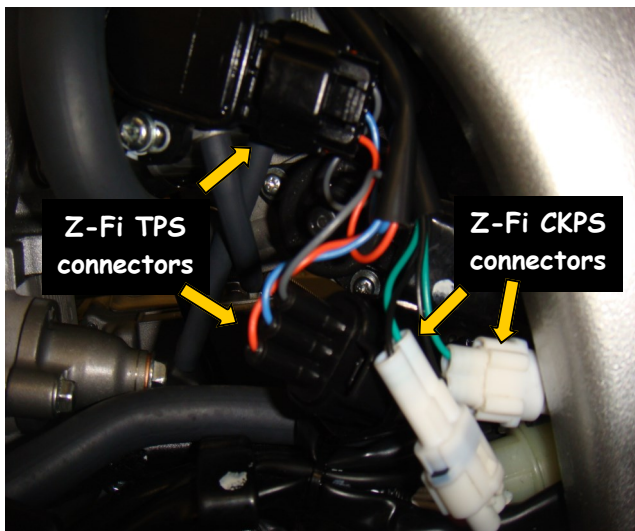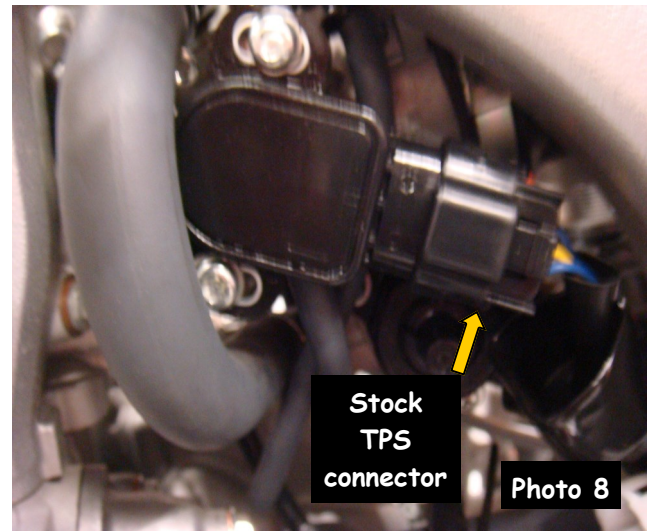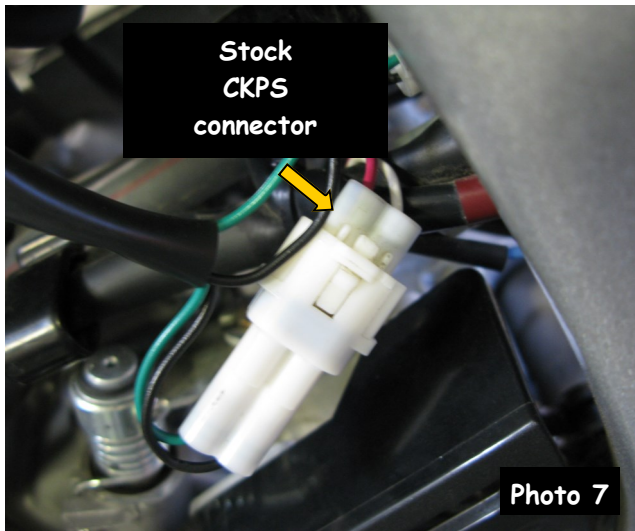Z-Fi Injector connectors installed in-line

Photo 6

3

8. Locate Crankshaft Position Sensor (CKPS) and the Throttle Position Sensor (TPS) connectors near the left side of the subframe (Photos 7 & 8). Disconnect both connectors and connect the Z-Fi harness in-line with the CKPS and TPS connectors. (Photo 9)



Stock CKPS connector

Photo 7



Stock TPS connector

Photo 8



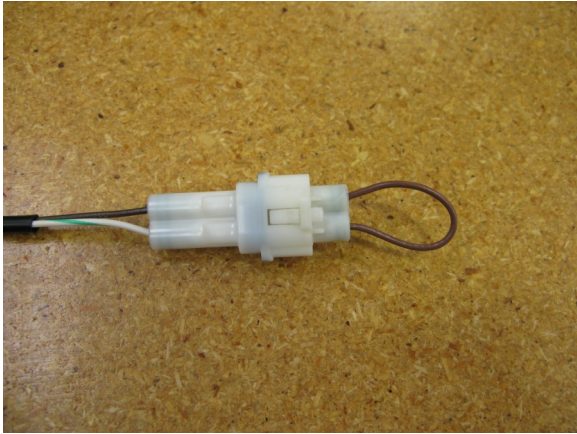Z-Fi TPS connectors

Z-Fi CKPS connectors

Photo 9

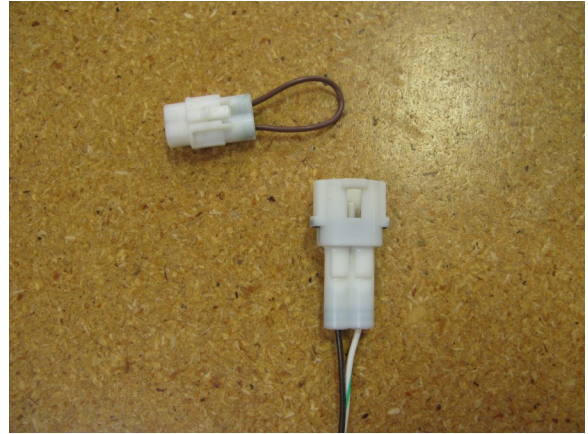9. Check that all wiring connections are tight.

10. Re-install headlights and bracket, front fender, fuel tank and cover, side panels, ignition switch, and seat. Check that wiring is not pinched or kinked.

11. 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 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 which is the map for the 09-10 YFZ450R**. When the map select jumper is disconnected the control unit is operating using **Map 2 which is the map for the YFZ450X.**



**Map 1**



**Map 2**

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