



2006-2009 LT-R450 QUAD RACER Z-Fi MX

INSTALLATION INSTRUCTIONS

P/N 127013

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

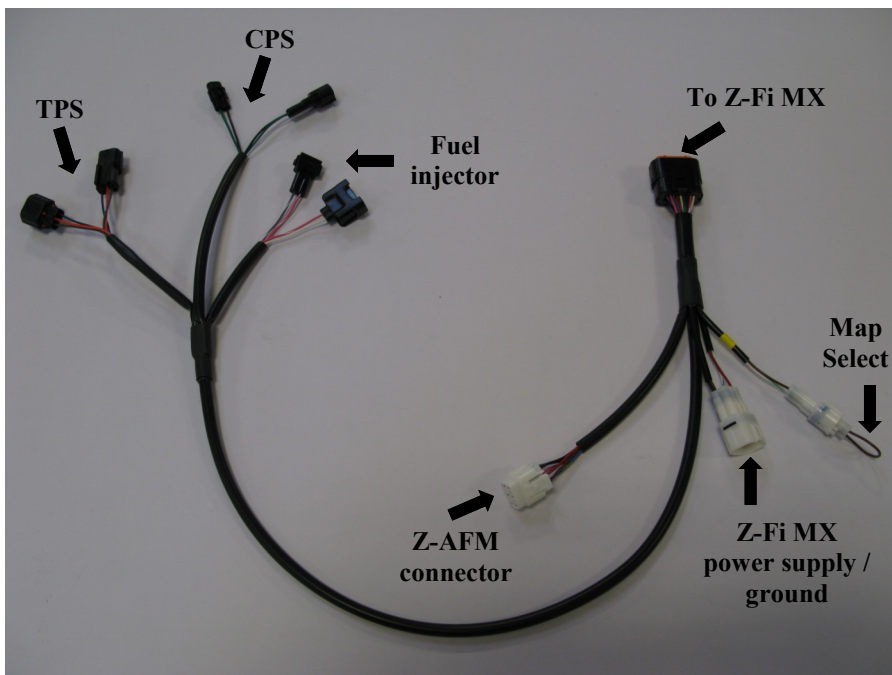
USB Cable

Z-Fi MX aluminum bracket

Velcro

Bazzaz stickers

Cable ties

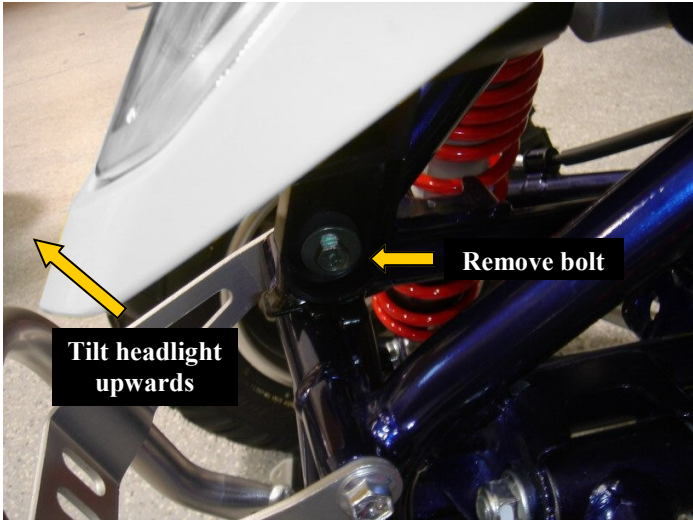


Read through all instructions before beginning installation.

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, and front fender. Refer to factory service manual.
2. Remove the bottom headlight bolt (photo 1). Tilt the front of the headlight upwards. Remove the rubber boot at the back of the headlight. Remove the light bulb assembly by rotating it.



NOTE: Be careful when working with the removed bulb, it is easy to damage. Do not touch the glass top of the bulb.

Photo 1

3. Locate the gray 6 wire connector and the black 4 wire connector near the stock ECU (photo 2) and disconnect them. Move both sides of the connectors and the light bulb assembly behind the stock aluminum bracket. Plug the connectors back together and reinstall the light bulb.

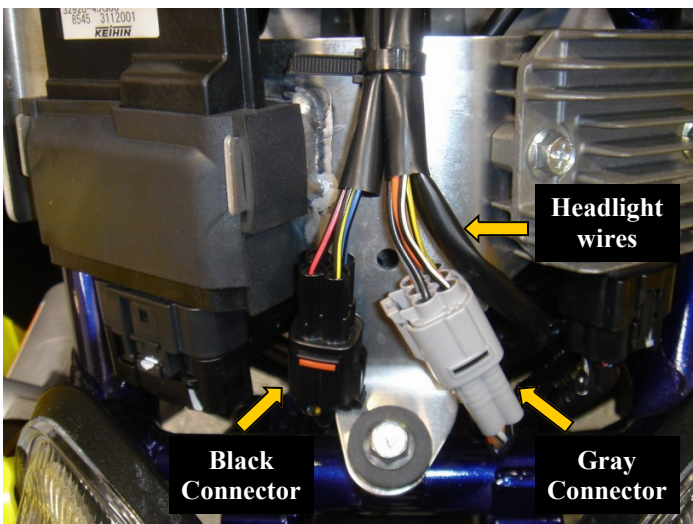


Photo 2

4. Swap the stock plastic clamp that secures all wires from the front side to the inside of the stock aluminum bracket. Secure the wires. (Photo 3).

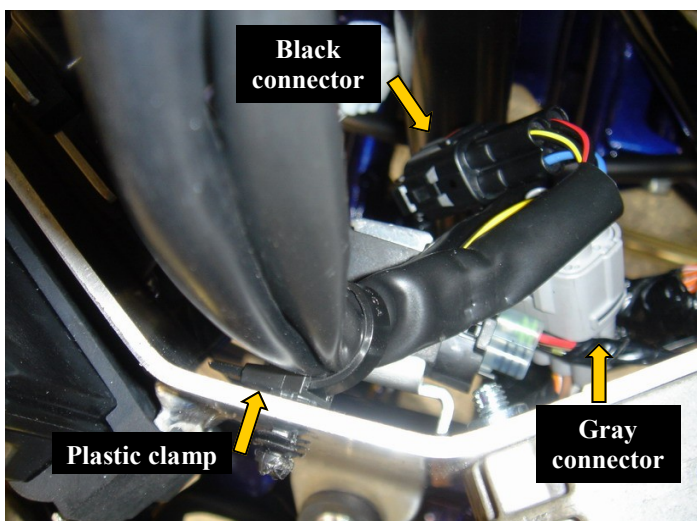


Photo 3

5. Attach supplied Velcro to Z-Fi MX bracket and bottom of the Z-Fi MX. Loosen the rectifier bolts and slide rectifier away from the center of the stock aluminum bracket. Tighten the bolts. Mount the Z-Fi MX aluminum bracket onto the stock aluminum bracket and secure it with the stock bolt. Install the Z-Fi MX into the bracket. Connect the black Z-Fi harness plug into the Z-Fi MX. (Photo 4).

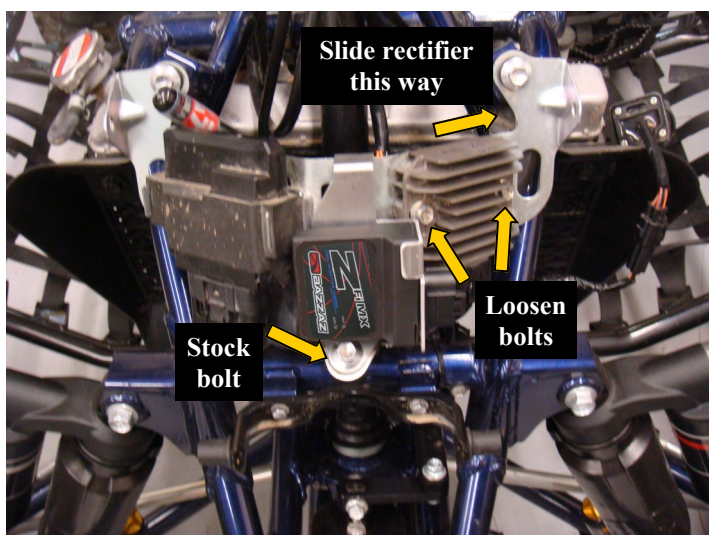


Photo 4

6. Disconnect any other accessories if installed. Connect Z-Fi MX power supply/ground connector to ATV's diagnostic connector. (Photo 5).

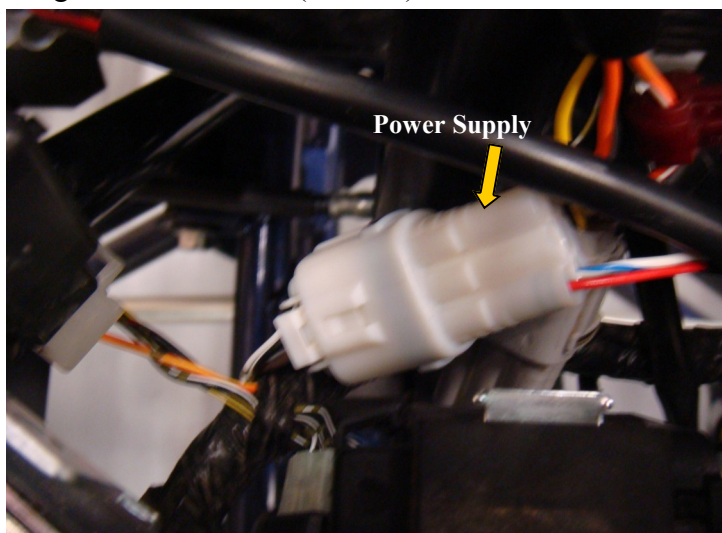


Photo 5

7. Remove the gas tank bolts, lift up the gas tank and the protective plastic cover and route the Z-Fi MX harness from Z-Fi MX control unit toward injector compartment securely and away from moving parts. (Photo 6).

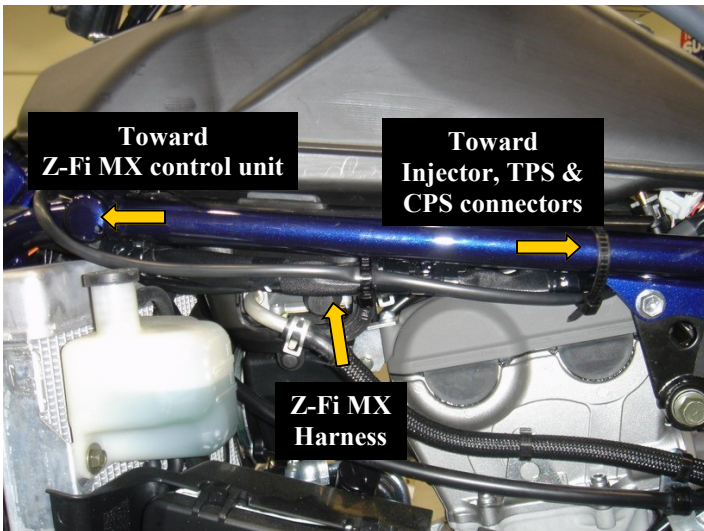


Photo 6

8. Locate the stock injector, and throttle position sensor (TPS) connector (photo 7). Disconnect them and connect the Z-Fi MX harness injector, and TPS connectors inline.

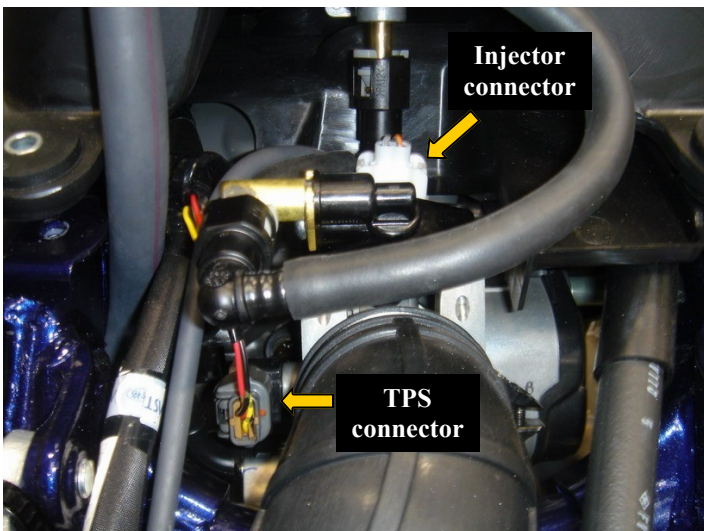


Photo 7

9. Locate crankshaft position sensor (CPS) connector (photo 8) on the left side of the subframe. Disconnect it and connect the Z-Fi MX harness CPS connectors inline.

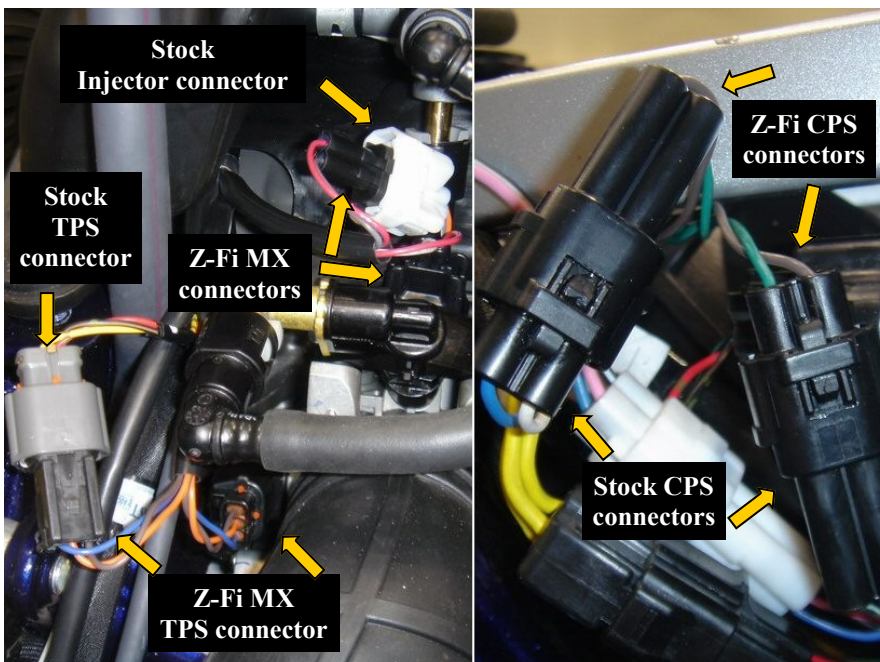


Photo 8

10. Check that all wiring connections are tight.

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

12. 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 (photo 9). When the map select jumper is disconnected the control unit is operating using map 2 (photo 10).

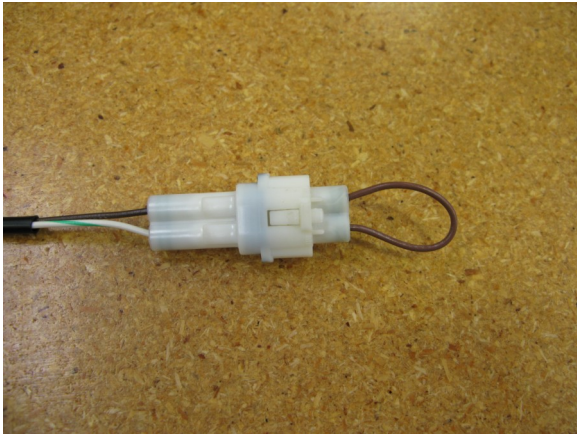


Photo 9

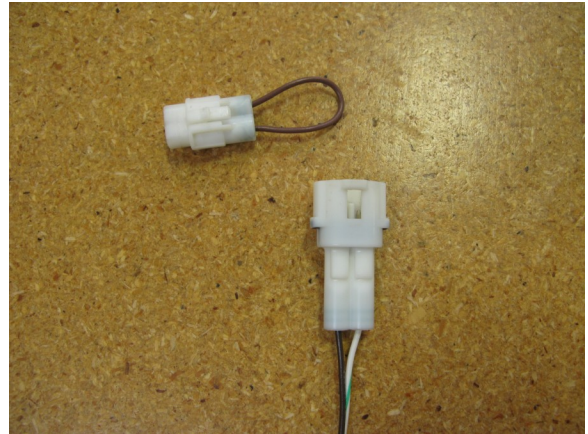


Photo 10

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