



**2010-2012 CRF450R**  
**2010-2012 CRF250 Z-Fi MX**  
INSTALLATION INSTRUCTIONS  
P/N F332, F330

**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**

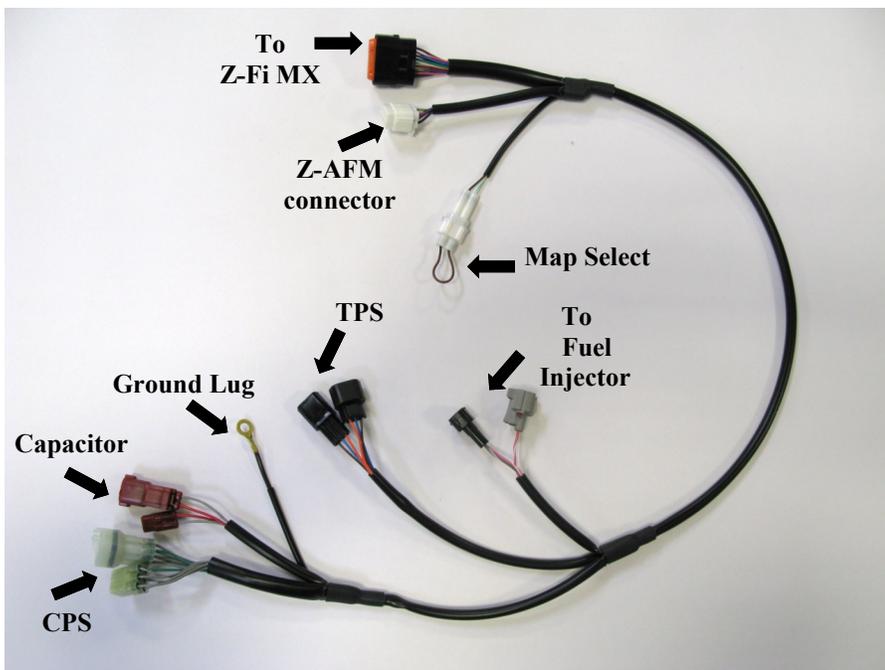
**USB Cable**

**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.**

**For CRF250 kits, verify the corresponding map for your model is selected.**

**Map 1 contains map for 2010 models and Map 2 contains map for 2011-12 models**

**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, and fuel tank. Refer to factory service manual.
2. Locate the fuel injector (photo 1), disconnect the stock connector and connect the Z-Fi MX harness in-line with the fuel injector and stock connector. (Photo 2)

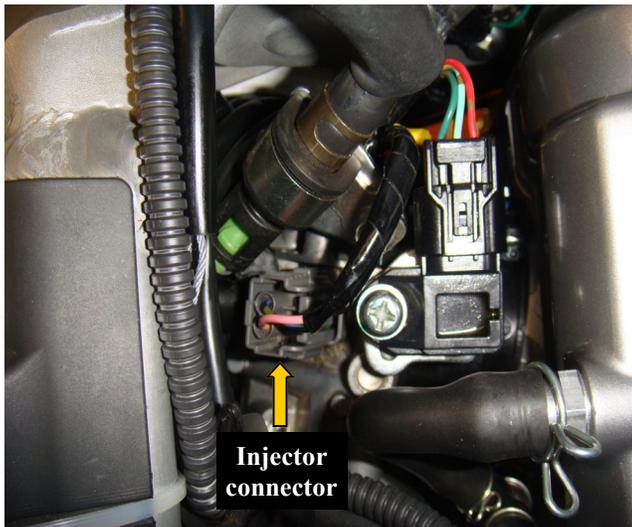


Photo 1

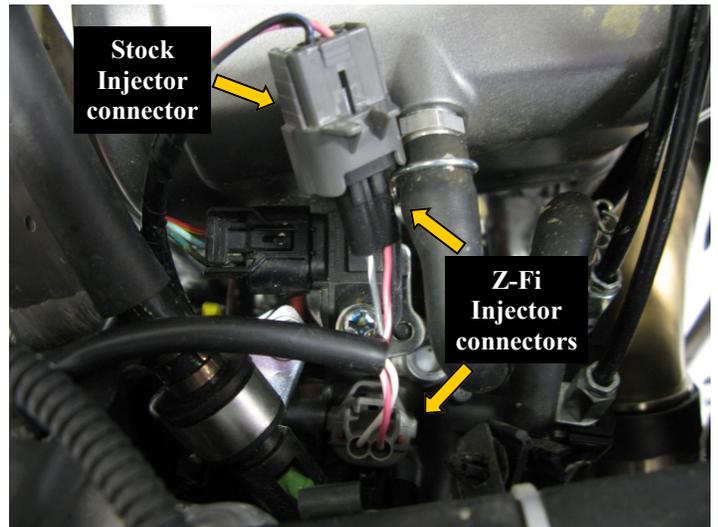


Photo 2

3. Locate the throttle position sensor, which can be found on the throttle body (photo 3). Disconnect the stock TPS connector and connect the Z-Fi MX harness in-line with the TPS sensor and stock connector. (Photo 4)

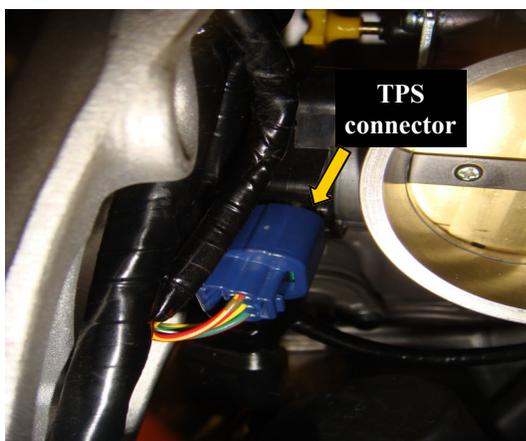


Photo 3

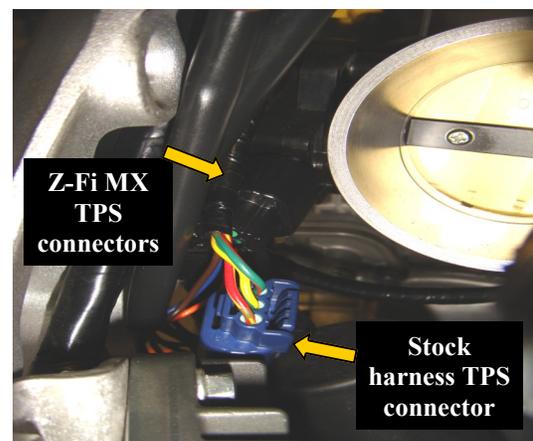


Photo 4

4. Route Z-Fi harness following the stock harness routing. (Photo 5)

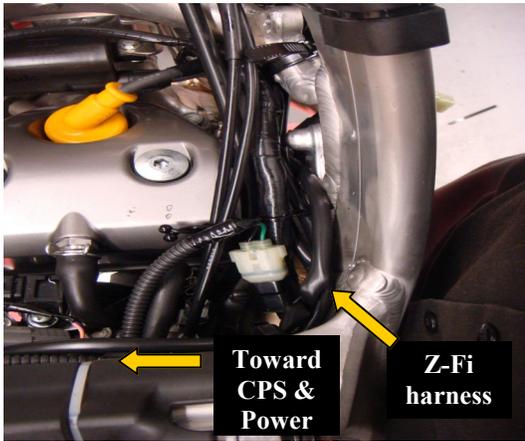


Photo 5

5. Locate the Crank Position Sensor (CPS) connector, a black, six pin connector on the left side of the frame near the cam chain tensioner. Disconnect the CPS sensor connectors and connect the Z-Fi harness in-line with these connectors. (Photo 6)

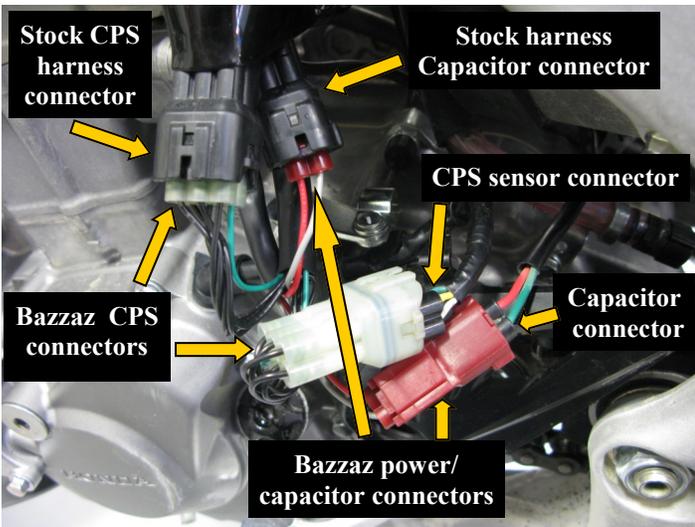


Photo 6

6. Locate the capacitor connector, a black two pin connector with one red wire and one green wire near the lower left frame. Disconnect the capacitor connectors and connect the Z-Fi harness in-line with these connectors. (Photo 6)

7. Attach the Z-Fi harness ground wire to the motorcycles chassis ground. (Photo 7)

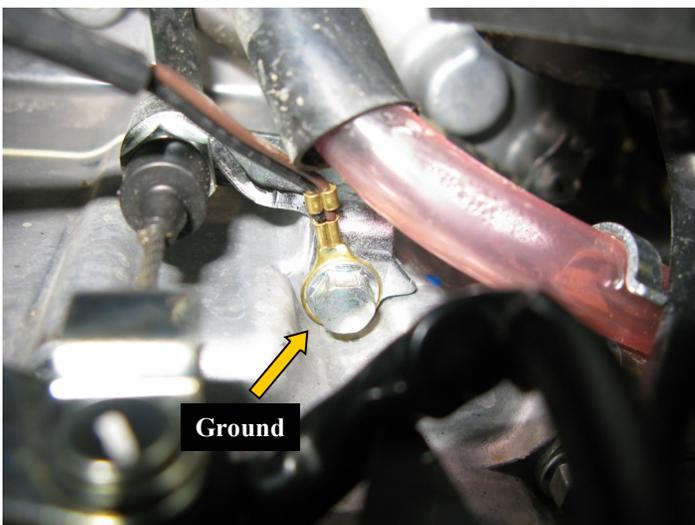


Photo 7

8. Raise the sub frame (refer to service manual) and route the Z-Fi harness back into the air box. (Photo 8)

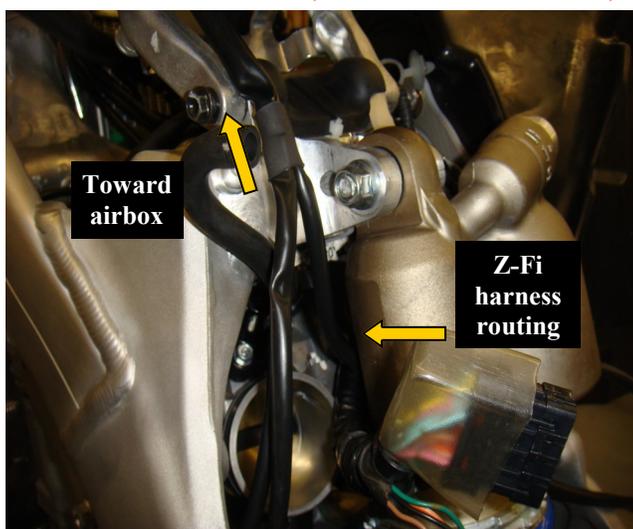


Photo 8

9. Lower and re-attach the sub frame (refer to service manual).

10. Attach supplied Velcro adhesive to Z-Fi MX bracket and back of the Z-Fi. Connect the black main harness connector into the Z-Fi unit. (Photo 9)

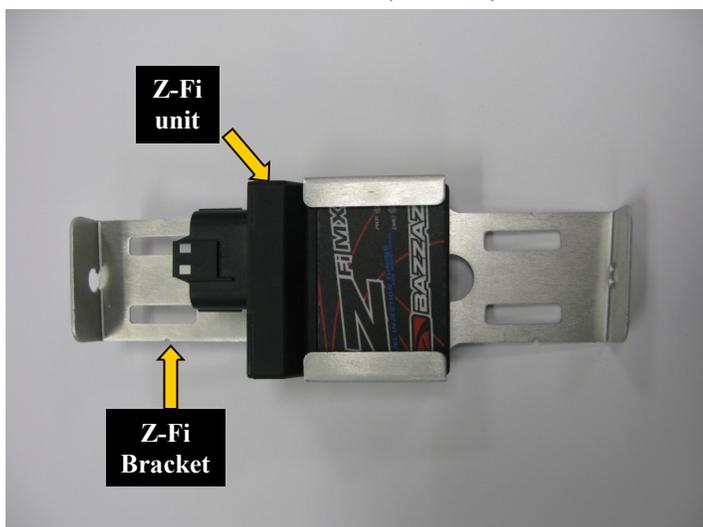


Photo 9

11. Attach the Z-Fi bracket to the sub frame using the cable ties provided. (Photo 10)

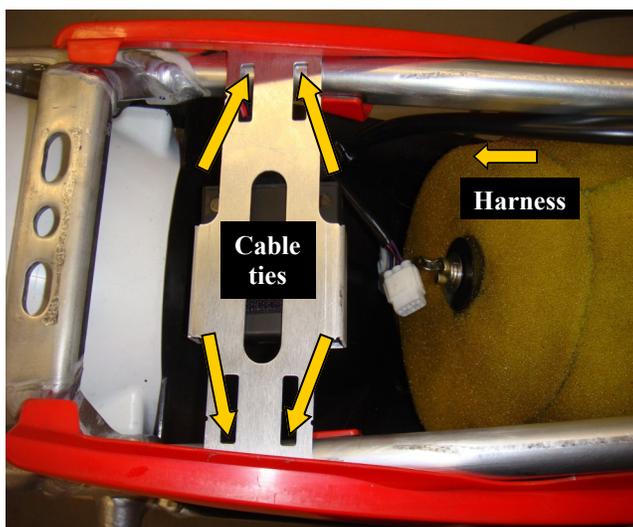


Photo 10

12. Check that all wiring connections are tight.

13. Re-install fuel tank, left and right side panels, and seat. Check that wiring is not pinched or kinked.

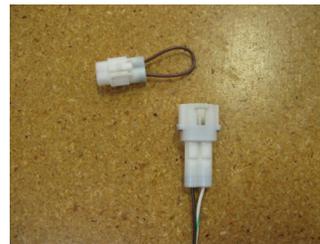
14. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Bazzaz tech support department at (909) 597-8300.

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.

**For CRF250 kits, verify the corresponding map for your model is selected.  
Map 1 contains map for 2010 models and Map 2 contains map for 2011-12 models**



**Map 1**



**Map 2**

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