



**2011-2012 250SX-F Z-Fi MX**  
**INSTALLATION INSTRUCTIONS**  
**P/N F130**

**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**

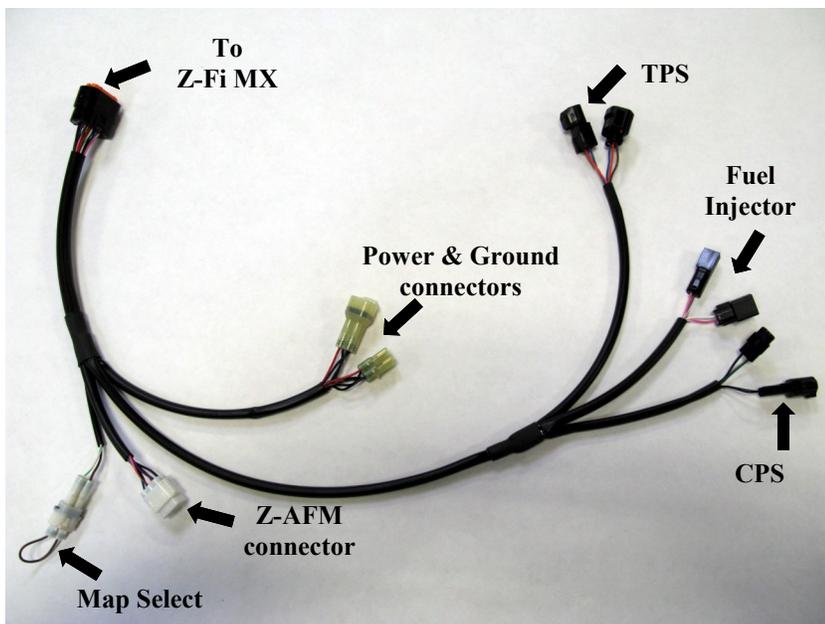
**USB Cable**

**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.*

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

## Stock component location for your reference 250 SX-F



### **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 and the fuel tank. **Refer to factory service manual.**
2. Attach supplied velcro adhesive to Z-Fi MX bracket and the back of the Z-Fi. Secure the Z-Fi bracket to the sub frame using the cable ties provided. Connect the black main harness connector into the Z-Fi unit. (Photo 1)

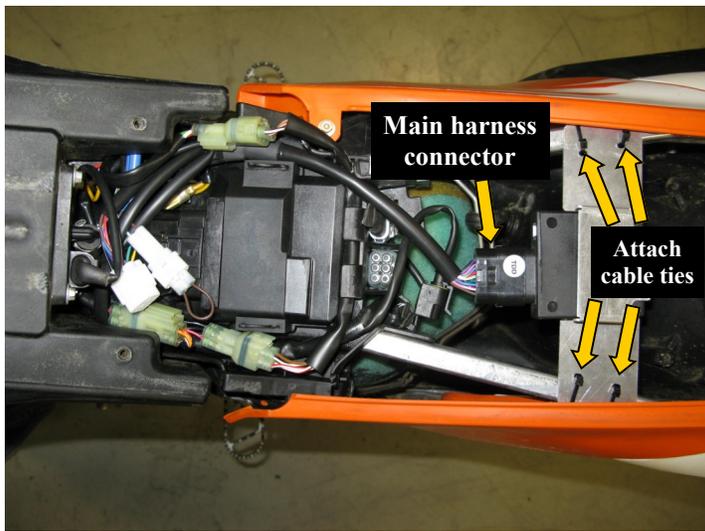


Photo 1

3. Disconnect the factory connectors and install the mating Bazzaz power/ground connectors in-line. Locate the mating pair of clear, four pin connectors of the factory harness found next to the KTM ECU. (Photos 2 & 3)

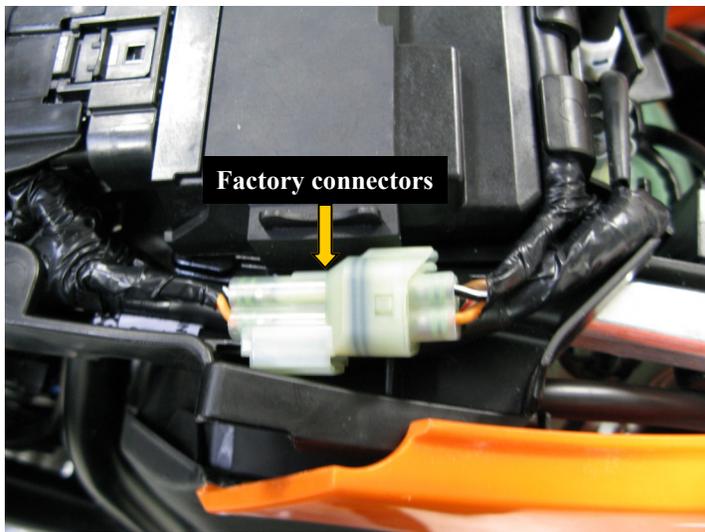


Photo 2

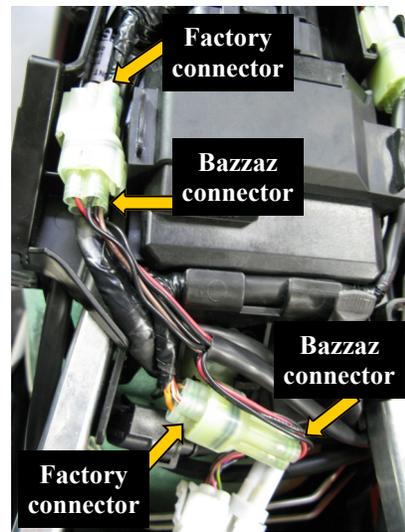


Photo 3

4. Locate the factory Throttle Position connector, found on the left side of the throttle body. Disconnect the stock connector and install the mating Bazzaz TPS connectors in-line with the TPS sensor and factory harness connector. (Photos 4 & 5)

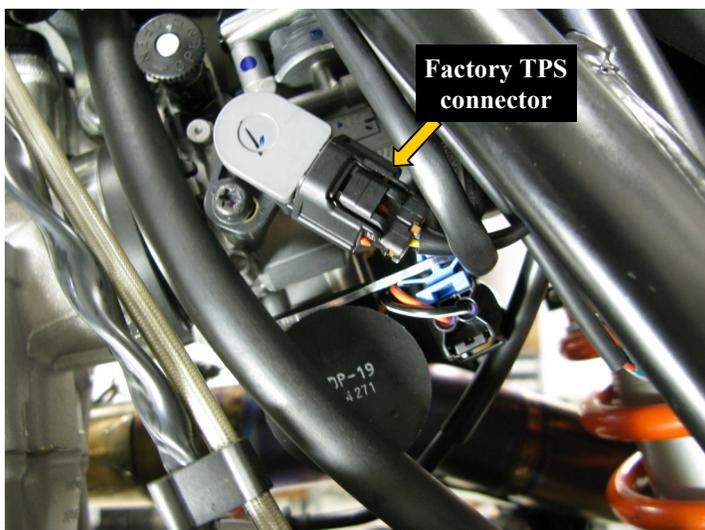


Photo 4

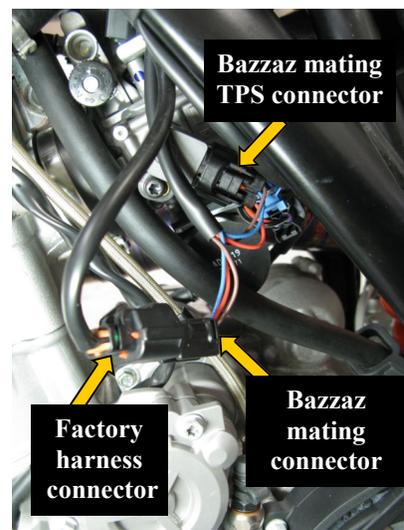


Photo 5

5. Locate the fuel injector on the throttle body. Disconnect the factory harness connector and install the mating Bazzaz injector in-line with the injector and factory harness connector (Photos 6 & 7)

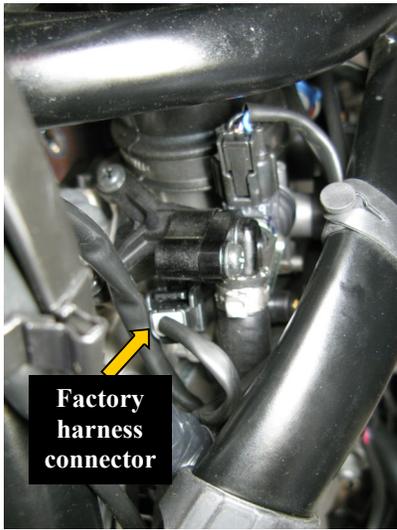


Photo 6

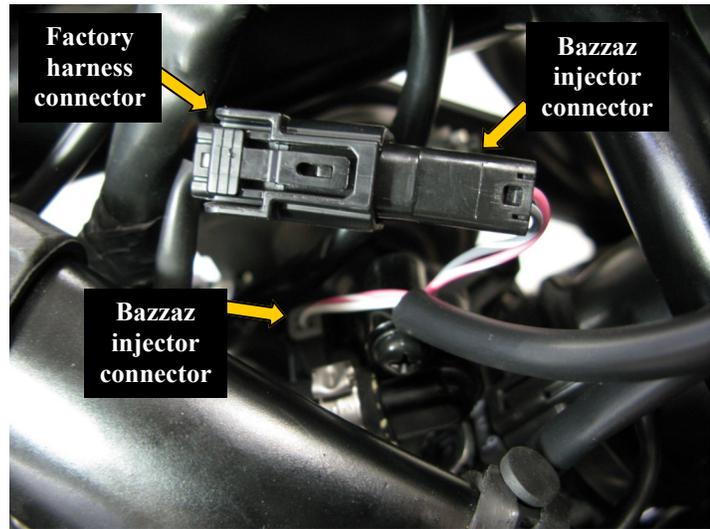


Photo 7

6. Locate the factory Crank Position Sensor connectors found in front of the factory ECU. Disconnect the stock connectors and install the mating Bazzaz CPS connectors in-line. (Photos 8 & 9)

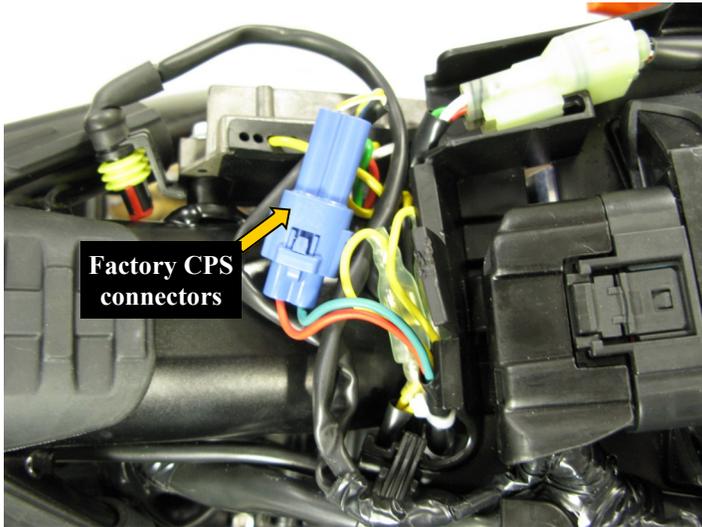


Photo 8

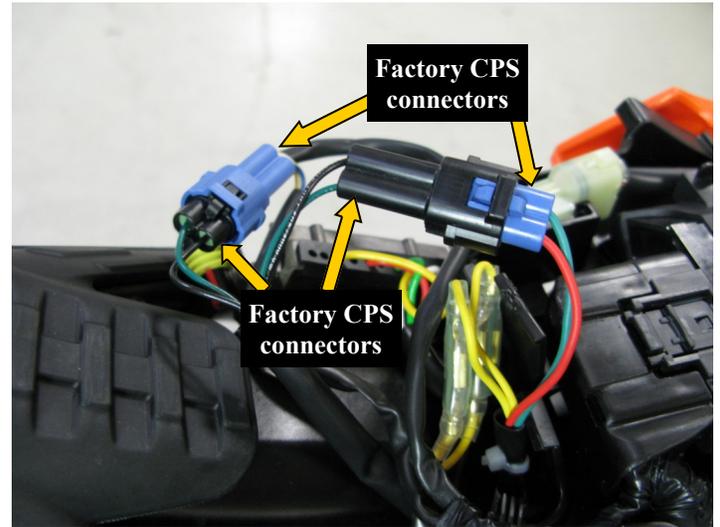


Photo 9

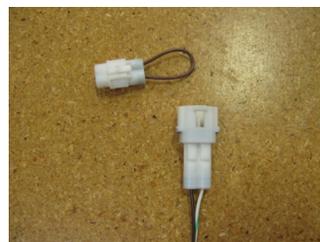
7. Re-install items removed in step 1.

8. 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