BAZZAZ®

2010-2011 KTM Enduro 690 Z-Fi MX Installation Instructions
P/N F581

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
Large Cable Tie (1)
Small Cable Tie (8)
Stickers

Read through all instructions before beginning installation. This is not a replacement for the ECU. This document is intended for use by qualified technicians. For more specific stock component identifition and location information refer to a factory service manual.

*To create the ideal map(s) we recommend using the optimal Z-AFM self-tuning module*
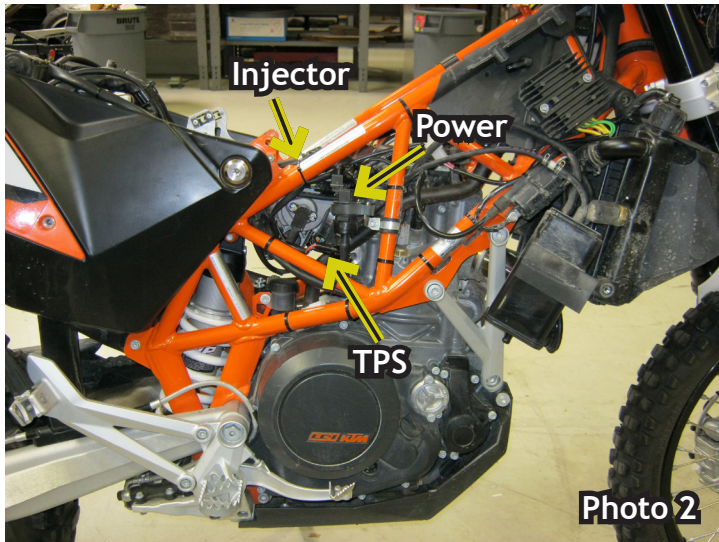
BAZZAZ HARNESS CONNECTOR IDENTIFICATION
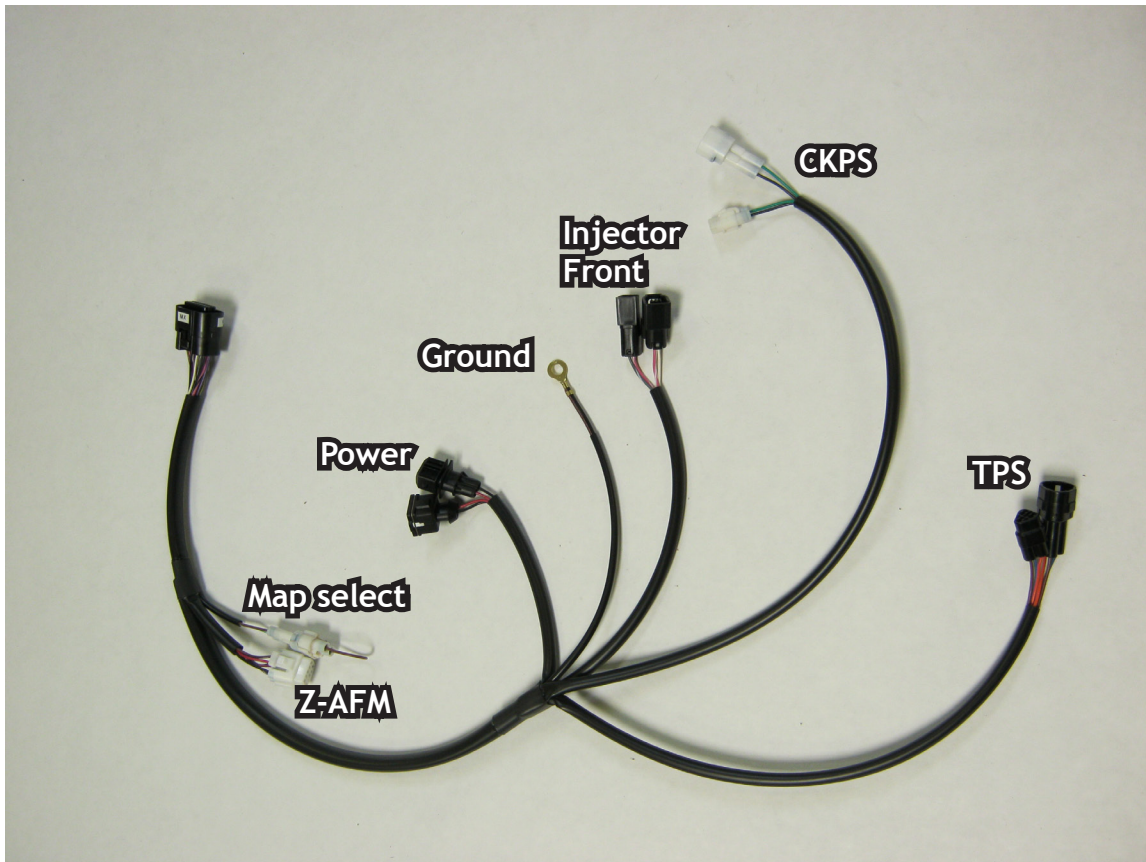
1. Remove the following components: seat, airbox and both side panels.

2. Use the supplied Velcro patch and long cable tie to secure the Z-FiMX control module to the top of the battery. Connect the Bazzaz harness to the control module and begin to route it on the right side the bike toward the engine (photo 1).
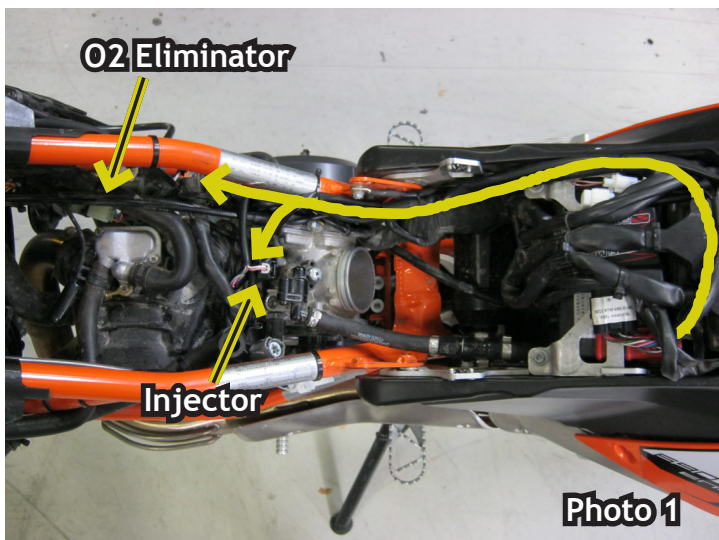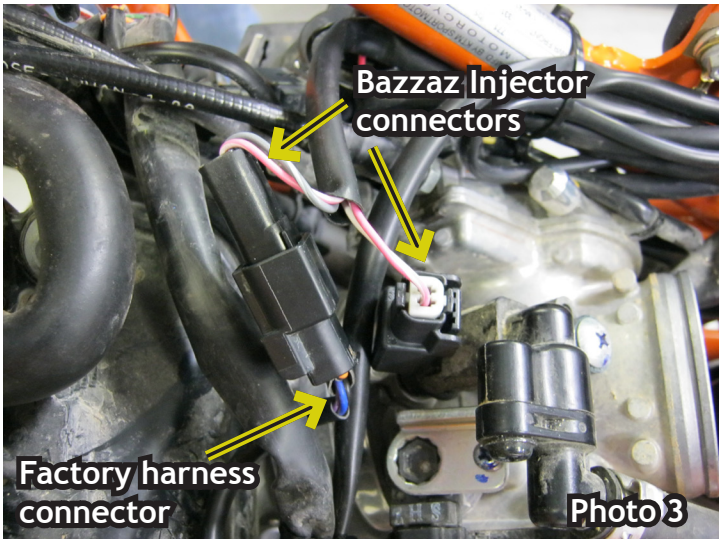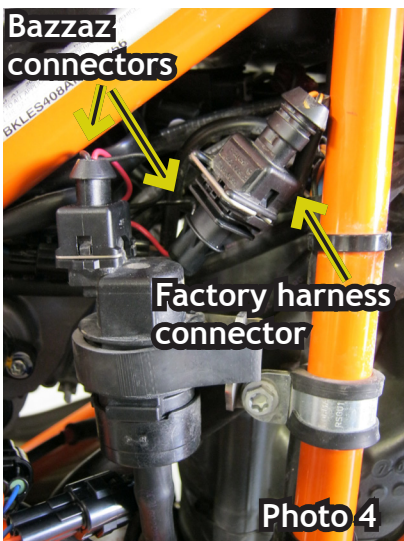

Photo 1

Bazzaz harness routing shown in yellow

3. Photo (2) shows the location of the injector, power and throttle position connections.


Injector

Power

TPS

Photo 2

4. Identify the injector connector which can be found at the top of the throttle body assembly. Disconnect the factory harness connector and install the mating Bazzaz harness injector connectors inline (photo 3).

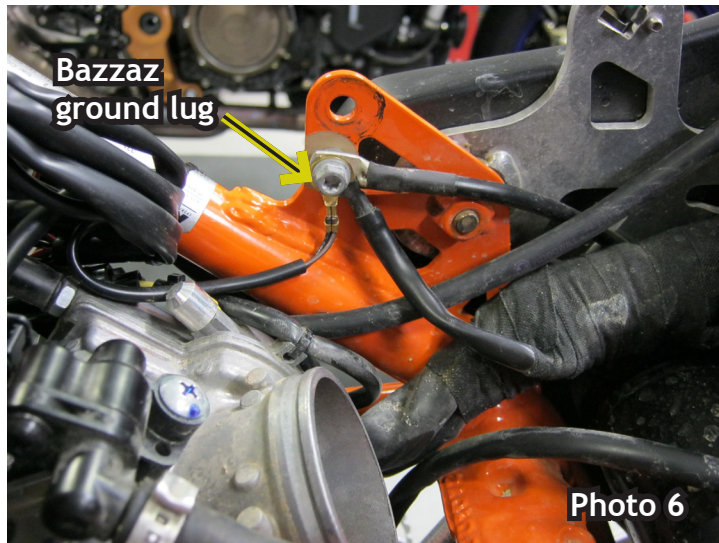Bazzaz Injector connectors

Factory harness connector

Photo 3

5. Locate the emissions valve mounted to the right frame rail. Disconnect the factory harness connector from the valve and install the mating Bazzaz harness power connectors inline (photo 4).

Bazzaz connectors
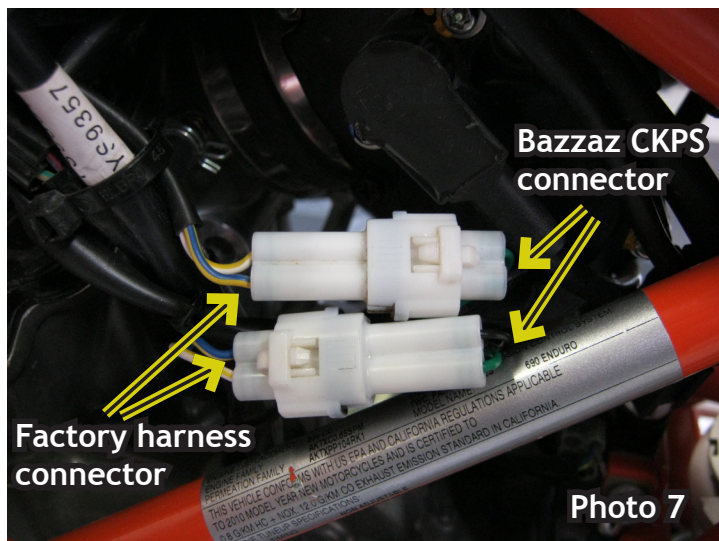
Factory harness connector

Photo 4

6. Disconnect the factory harness throttle position sensor connectors from the sensor and install the mating Bazzaz harness connectors inline (photo 5).

Bazzaz TPS Connectors
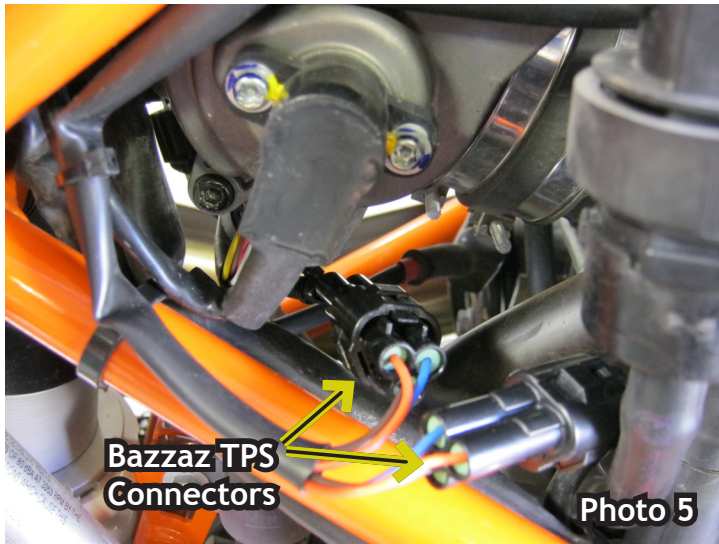
Photo 5

7. Attach the ground lug lead of the Bazzaz harness to a solid chassis or engine ground (photo 6).

Bazzaz ground lug

Photo 6

8. Route the remaining lead of the Bazzaz harness containing the crank position connectors to the left side of the engine. Disconnect the factory crank position sensor connectors from one another and connect the mating Bazzaz connectors inline (photo 7).

Bazzaz CKPS connector

Factory harness connector

Photo 7

9. The 690 Enduro is equipped with a lambda/O2 sensor. The sensor must be bi-passed through the use of a O2 eliminator supplied with the kit. Disconnect the factory harness from the sensor. Install the Bazzaz O2 eliminator in place of the factory sensor connector and attach the O2 eliminator ground lug to a chassis ground. Be sure to secure the eliminator and factory sensor lead away from any hot or moving components which could cause damage (photo 8).

Factory harness connector

Bazzaz O2 Elim connector

O2 Elim Ground lug

Photo 8
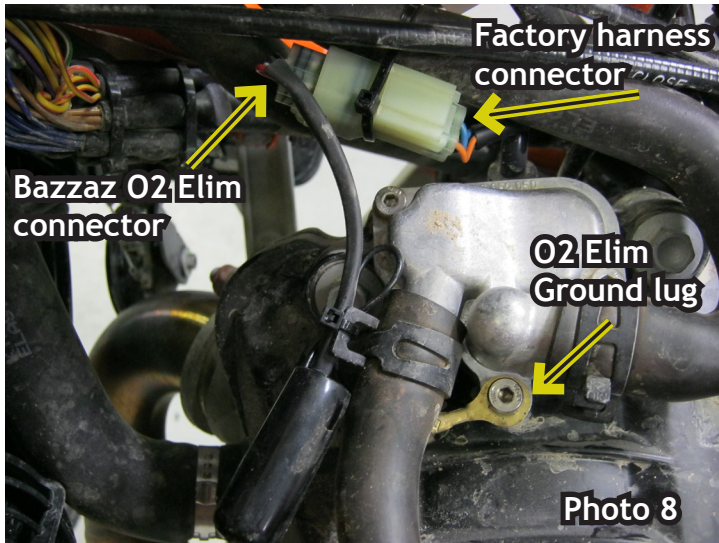
10. Now that the installation is complete, take a moment to secure the Bazzaz harness along its routing path with the supplied cable ties. Reinstall the components removed in step one of these instructions.

The Bazzaz 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 seperately. Or these maps can be selected by connecting or disconnecting the map select jumper supplied with the kit. When the map selet jumper is connected the control unit is operating using map 1. When the map select jumper is disconnected the contol unit is operating using map 2.

Map 1

Map 2