

INSTALLATION INSTRUCTIONS



UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFI FUEL MANAGEMENT

**KTM 450 SX-F | 2016
F536**

1 > READ

WARNINGS > INSTALLING



- We strongly suggest that an experienced technician install this product.
- Read through all instructions before beginning installation.
- This document is intended for use by qualified technicians.
- This is not a replacement for the factory Engine Control Unit (ECU).
- Refer to a factory service manual for more specific stock component identification/location information and removal/assembly procedures.

WARNINGS > USING



- Use only in race or other closed-course applications and never on public roads.
- Z-Fi products are not certified by the California Air Resource Board (CARB) for use on CA highways.

GETTING HELP



- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

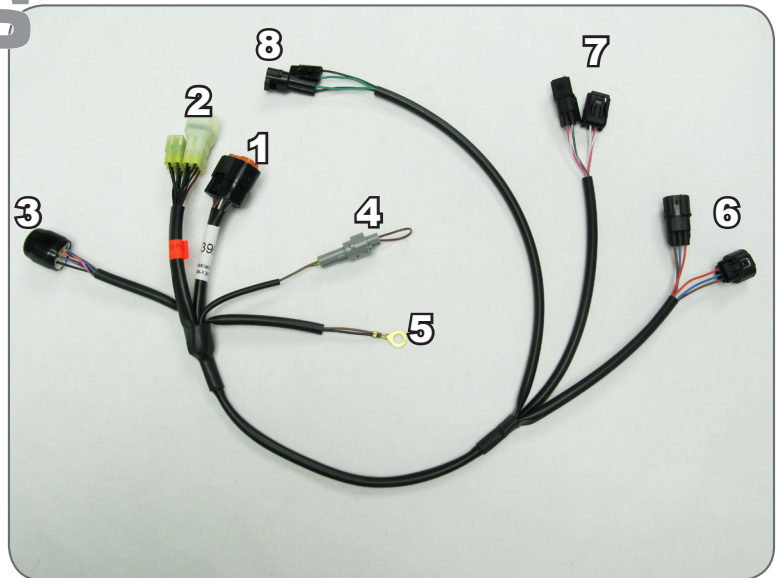
2>IDENTIFY

INCLUDED PARTS

1. Z-Fi MX control unit
2. Fuel harness
3. USB cable
4. Swingarm stickers
5. Velcro
6. Download Bazzaz software from bazzaz.net/index.php/software-overview

FUEL HARNESS

1. Main
2. +12v SW Power
3. Z-AFM
4. Map Select
5. Ground
6. TPS
7. Injector
8. CKPS



3>REMOVE

1. Rider seat
2. Both side fairings
3. Right side number plate
4. Fuel tank

4>SECURE

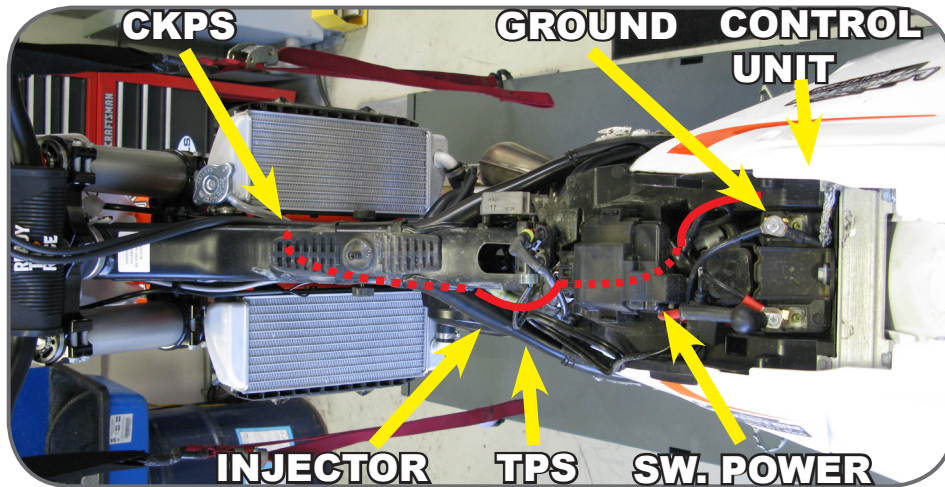
1. The Bazzaz control unit will be secured on the right hand side of the battery tray within the airbox.



5>CONNECT

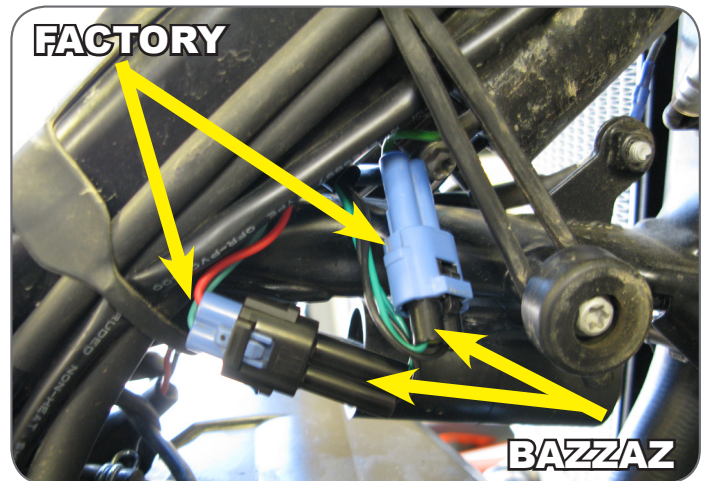
5.1

1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness down the left hand side of the bike towards the motor.



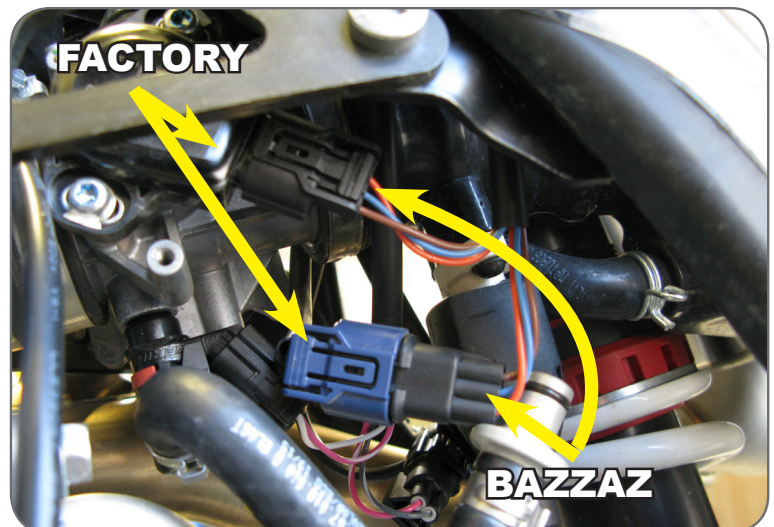
5.2

1. Locate the factory blue two pin CKPS connectors, which can be found on the right hand side of the bike near the frame.
2. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.



5.3

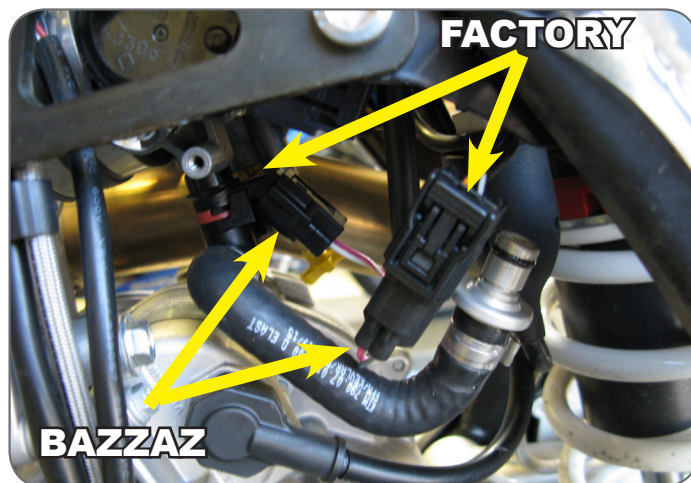
1. Locate the factory TPS, which can be found on the left hand side of the throttle body. There will be a black plastic cover covering the TPS itself.
2. Remove the black plastic cover in and install the Bazzaz TPS connectors inline.
3. Once the Bazzaz is installed inline, reinstall the black plastic cover.



5>CONNECT (CONT.)

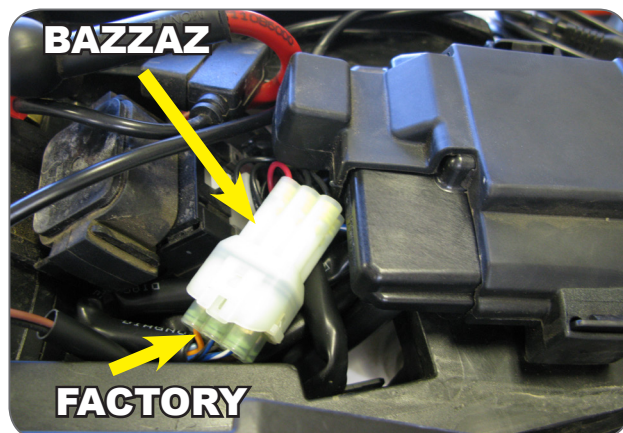
5.4

1. Locate the factory injector connector, which can be found on the bottom of the factory throttle body.
2. Disconnect the factory injector connector, and install the Bazzaz inline.



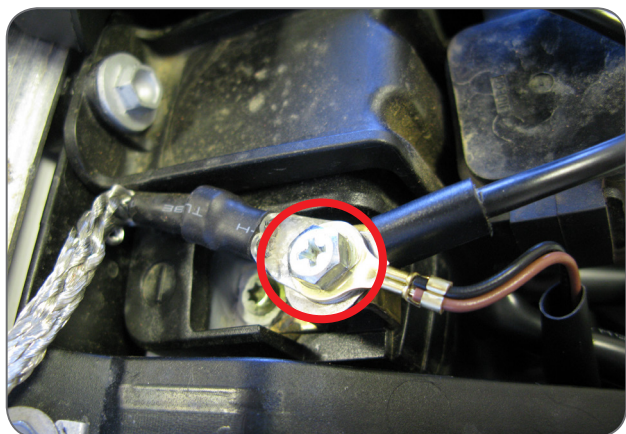
5.5

1. Locate the factory diagnostic connector, which can be found mounted to the black rubber bracket for the ECU.
2. Install the Bazzaz switched power connectors inline.



5.6

1. Locate the Bazzaz ground lug and install onto the negative battery terminal. .



6>SECURE



Use the supplied cable ties to secure the harness neatly along the routing path **free of any moving or hot components** (which could cause damage or failure of the system).



7>CHECK



1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at bazzaz.net.
2. Plug the USB cable into the control unit and computer.
3. Locate and open the Z-Fi Mapper software.
4. Check that the pre-programmed map matches the model of your bike on the fuel map page within the software. You can switch from map 1 to map 2 by unplugging the map select jumper on the Bazzaz fuel harness. Map 1 will be pre-programmed; depending on your model, there may be a pre-programmed map in the map 2 slot. If map 2 is blank, stock ECU settings are used. Make sure that the jumper is left plugged in or unplugged, depending on which map you choose.
5. Start the vehicle and begin to check that the following inputs read correctly on the fuel map page.
 - RPM - Make sure that the RPM is reading near what the vehicle is idling at.
 - GPS - The vehicle should read neutral (or whichever gear it is in). For motorcycles that use a Gear Position Sensor, the bike does not need to be running to do this. For motorcycles that use a speed sensor, the wheel must be spinning to read gear properly. This can be checked on a dynamometer or by using a rear stand. Use caution when testing componentry.
 - TPS - When throttle is applied, the TPS should read accordingly. Fly-by-wire models must be running to check TPS. Normal cable operated throttles can be checked with just the key on, not running.

Also use software to:

- View and/or make adjustments to fuel maps
- Activate Z-AFM self mapper (sold separately)
- Save and load new fuel maps
- Re-calibrate throttle position sensor after throttle modifications
- View diagnostics for troubleshooting



If any problem is found, please carefully follow through the installation steps again.



If problem still persists, please contact Bazzaz tech support

- Factory support is available in the US at 909-597-8300.
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8> REINSTALL

After it is determined that everything is correct, reinstall the components removed in step 3.

9> USE MAPS

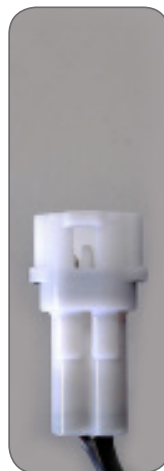
The Bazzaz controller is capable of storing two maps.

Switch maps by connecting or disconnecting the map select jumper supplied with the kit.

Or use the optional handlebar-mounted switch to switch maps on the fly (sold separately).



MAP 1



MAP 2

10>NEXT LEVEL MAP SELECT SWITCH

Purchased separately.

Switch maps on the fly with this handlebar-mounted switch.

Weatherproof toggle and easy installation.

79.95



ZAFM SELF MAPPER

Purchased separately.

Build race-level fuel maps for your specific modifications, fuel type, engine, and atmospheric conditions simply while riding.

O2 sensor mounts into exhaust and control box easily plugs in to any Bazzaz Z-Fi product.

299.95





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United States

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