INSTALLATION INSTRUCTIONS

BAZZAZ

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Z-Fi
FUEL

YAMAHA YZ450F | 2014-2015
F731

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 public lands.
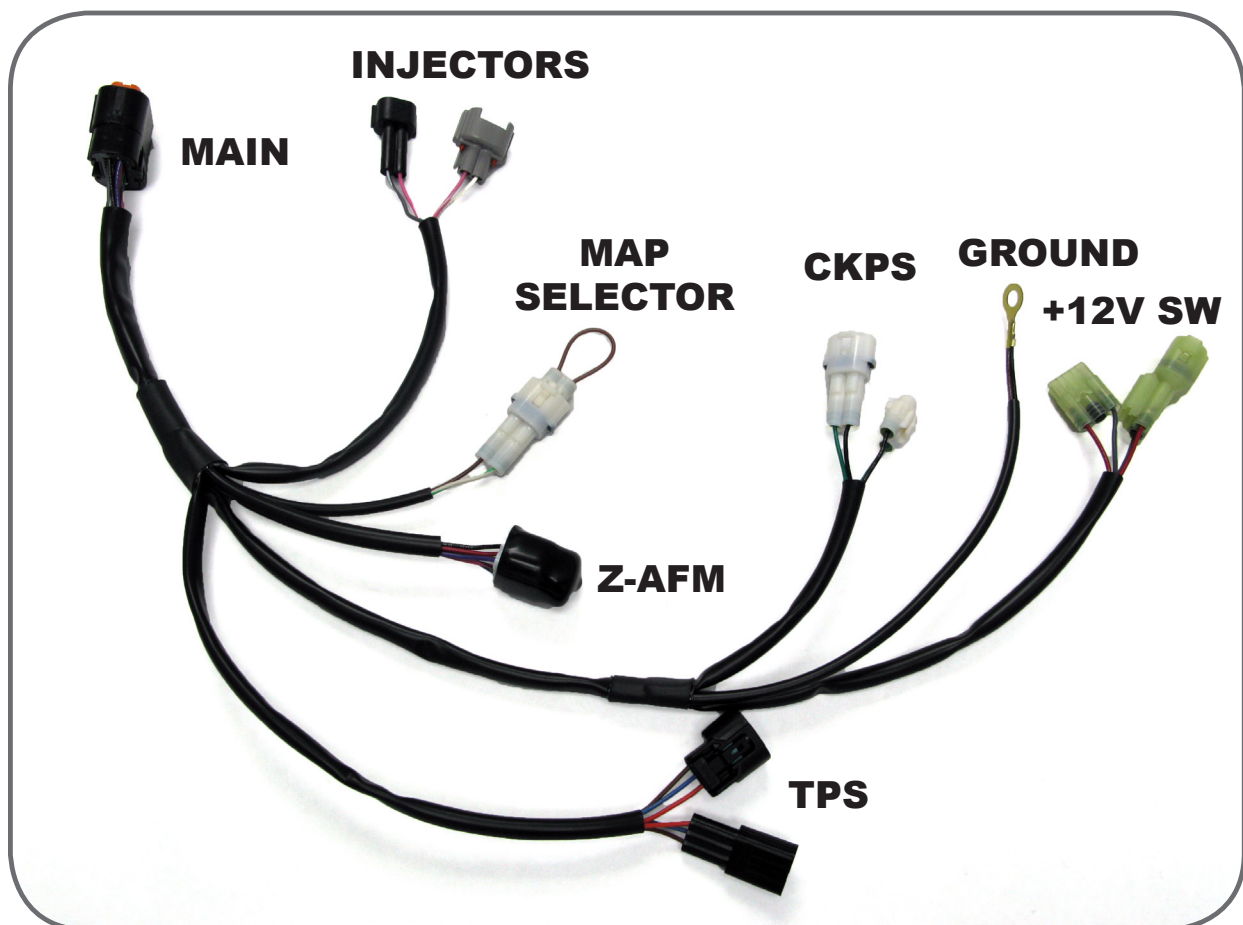
GETTING HELP

- 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 control unit
2. Fuel harness
3. Z-Fi Maper Software (Download off Website)
4. USB cable
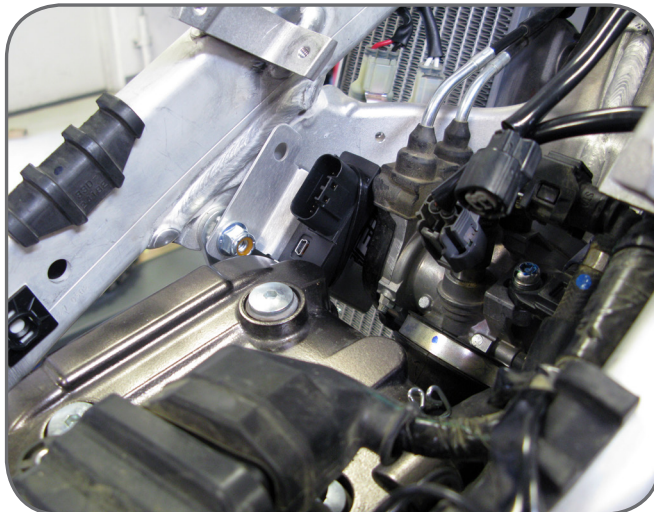5. Z-Fi Aluminum bracket
6. Velcro
7. Bazzaz stickers
8. Cable ties

FUEL HARNESS

INJECTORS

MAIN

MAP SELECTOR
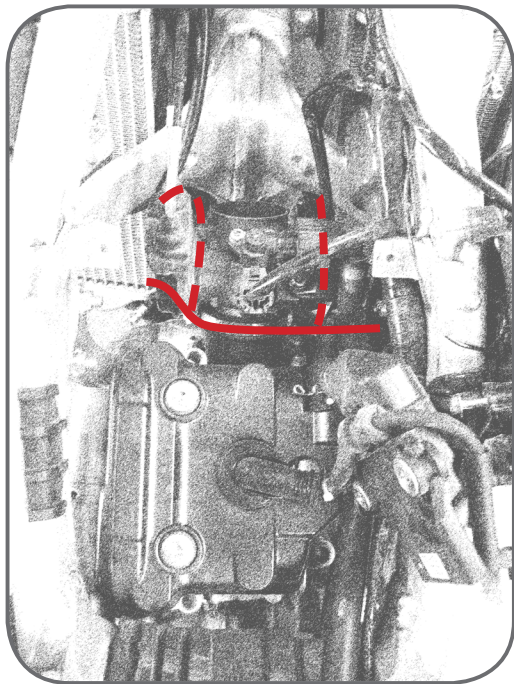
CKPS

GROUND

+12V SW

Z-AFM

TPS

3>REMOVE

1. Rider seat
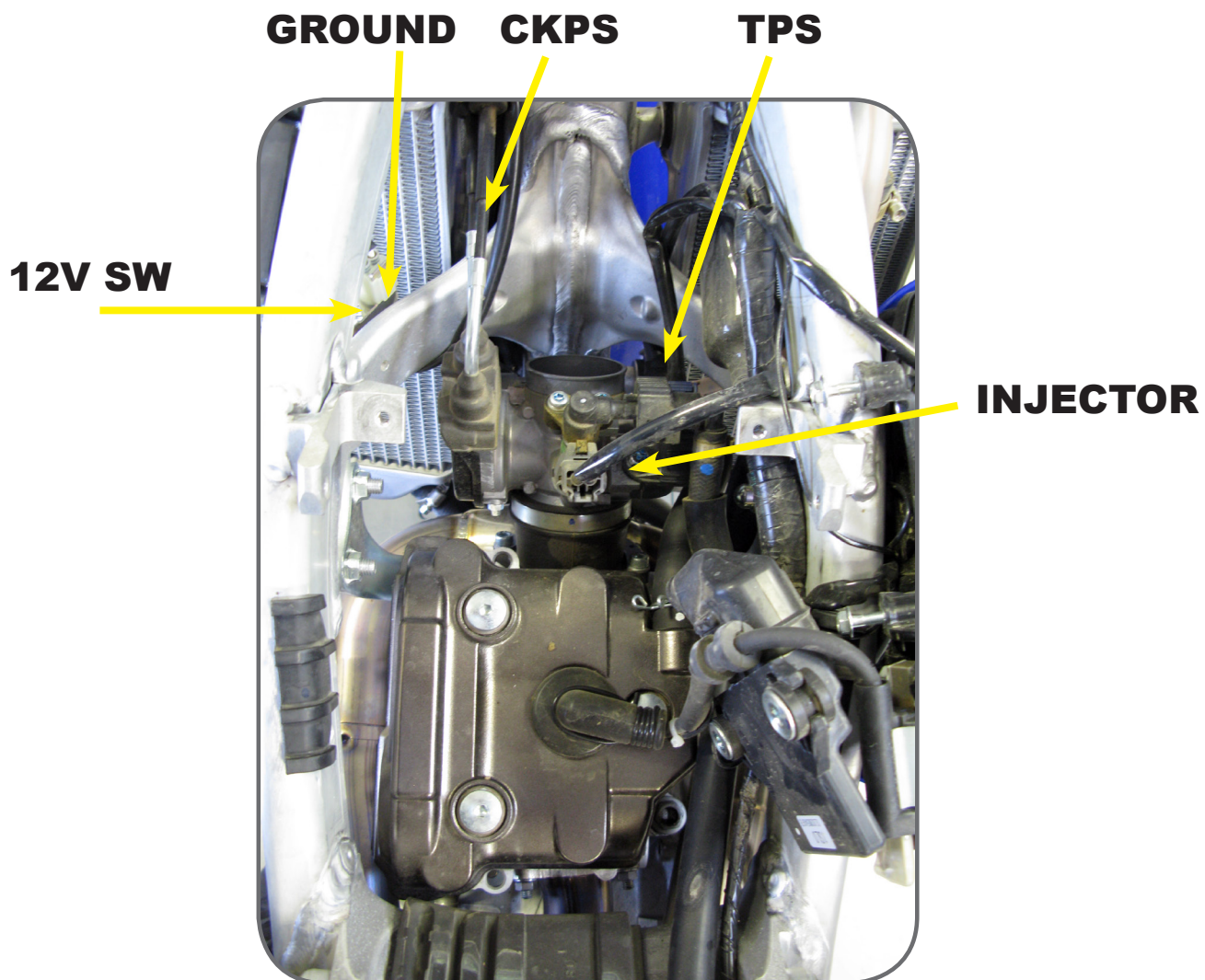2. Fuel Tank
3. Airbox

4>SECURE

Remove the left side rear engine mount bolt. Replace with the supplied m8 x 30mm flange bolt, only threading them until the bolt is seen from the engine mount side. Mount the ZFi unit into the supplied aluminum bracket using the supplied velcro. Position the bracket and ZFi unit as shown in the above photo. Tighten the engine mount bolt to 32 ft-lb (45mm). Secure the bracket using the supplied 8mm flange nut. Connect the Bazzaz fuel harness to the control unit and begin to route the harness to it's appropriate locations.
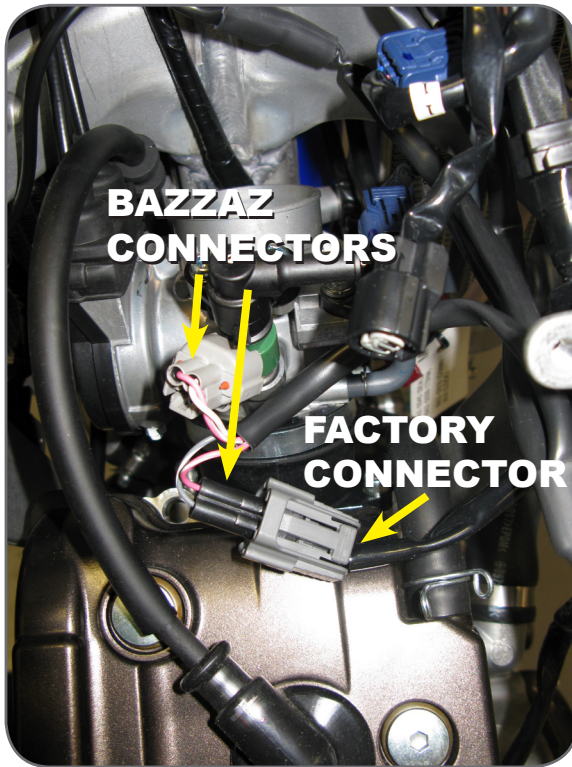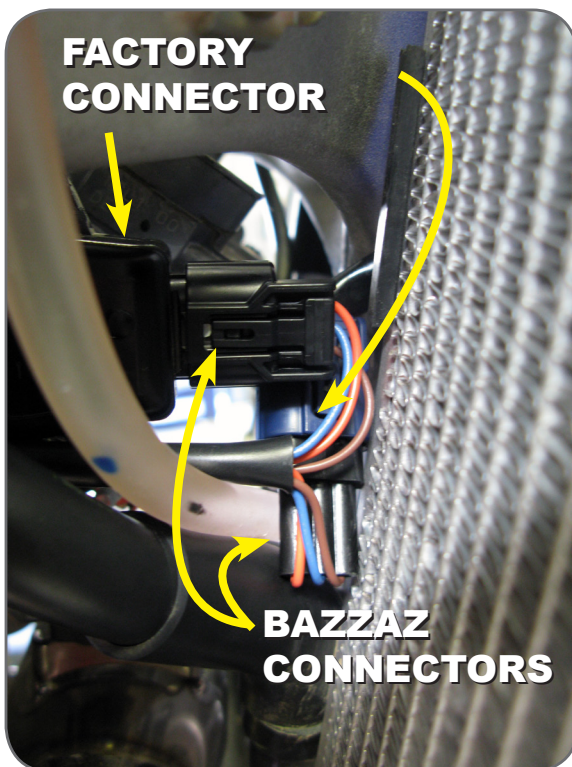
5>CONNECT

1. Connect the main connector of the Bazzaz fuel harness to the control unit.

GROUND   **CKPS**   **TPS**

12V SW

INJECTOR

5>CONNECT (CONT.)

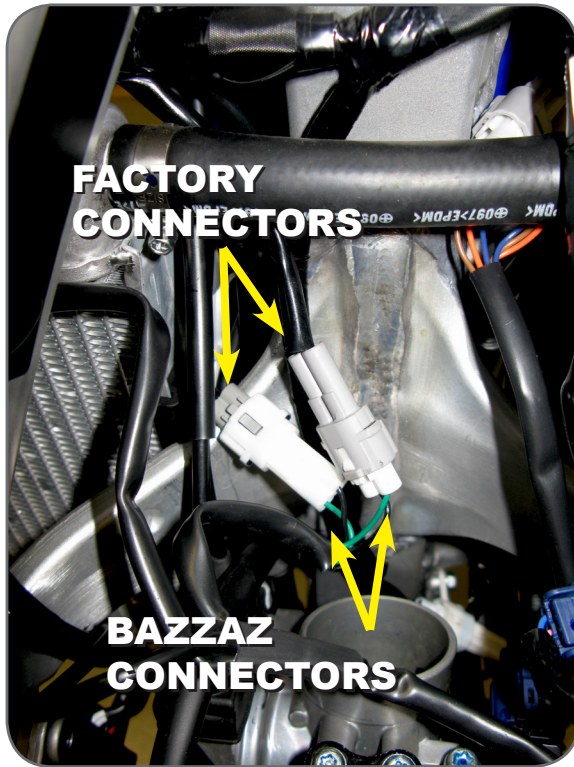

BAZZAZ CONNECTORS

FACTORY CONNECTOR

2. Locate the fuel injector on the throttle body. Disconnect the stock harness connector and install the mating Bazzaz injector connector in-line with the injector and stock harness connector.
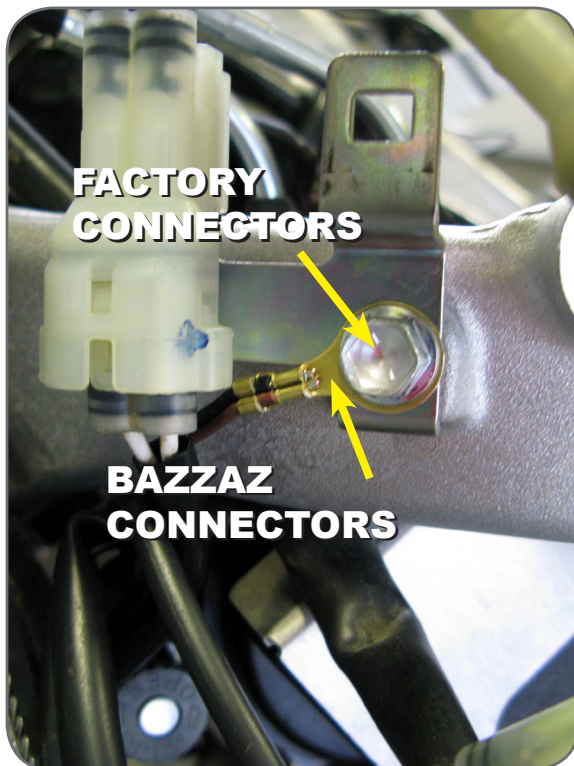

FACTORY CONNECTOR

BAZZAZ CONNECTORS

3. Locate the stock throttle position sensor located on the right side of the throttle body. The sensor and the connector will have a black rubber boot covering them. Disconnect the factory TPS connector and install the Bazzaz TPS connectors inline.

5>CONNECT (CONT.)

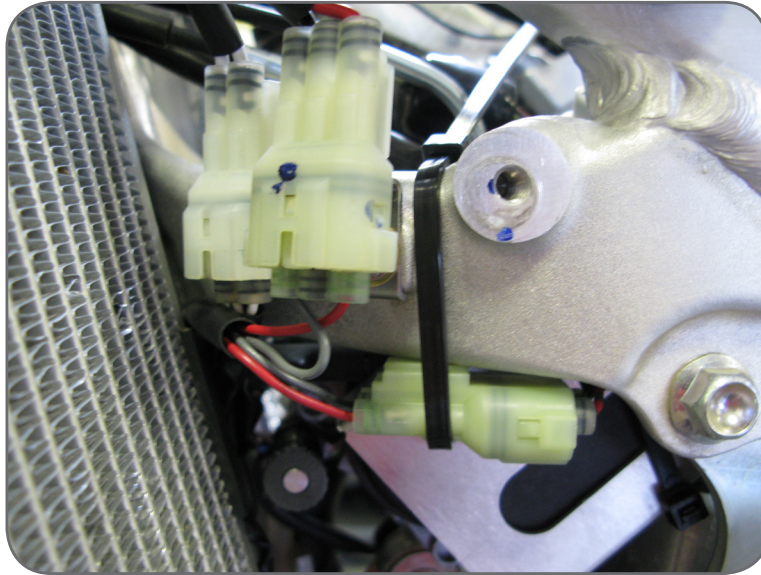

FACTORY
CONNECTORS

BAZZAZ
CONNECTORS

4. Locate the stock Crank Position Sensor connectors, found between the frame and left side radiator. Disconnect the stock connectors and install the mating Bazzaz CKPS connectors in-line.

6>GROUND

FACTORY
CONNECTORS

BAZZAZ
CONNECTORS

Locate the factory regulator/rectifier which can be found on the left hand side of the bike on the outside of the frame. Once found remove the factory three pin connector from its mounting bracket. Remove the factory 8mm bolt mounting bracket and install the Bazzaz ground. Install and tighten the factory 8mm bolt.

7>+12W SW

Disconnect the factory three pin regulator/rectifier connector which was removed in the previous step. Install the Bazzaz +12V SW

8>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).

9>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.

For 2015 YZ450F, you will need to recalibrate the TPS under the diagnostic tab in the Z-Mapper software.

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
- Change quickshift settings
- Make traction control adjustments

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

📞 If problem still persists, please contact Bazzaz tech support

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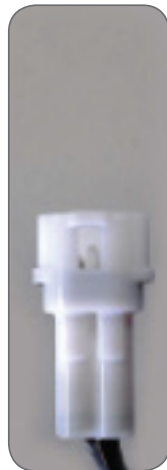
10>REINSTALL

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

11>USE

MAP 1   **MAP 2**

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).

Upon installing the system, verify you have selected the proper map. The control unit supplied with this kit has been pre-programmed with two slip-on fuel maps. Map 1 is intended for use with the 2014 YZ450F. Map 2 is intended for use with the 2015 YZ450F.

Z AFM
SELF MAPPER

Purchased separately.

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

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

299.95

MAP SELECT

Purchased separately.

79.95

Handlebar-mounted switch plugs into any Z-Fi product, allowing the user to switch between fueL maps on the fly.
Easy installation. Weatherproof toggle.

NOTES:

BAZZAZ
POWER · INJECTED

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Proudly made in the
United States

F731