

# INSTALLATION INSTRUCTIONS



# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

**ZFI** FUEL MANAGEMENT

**ZFI TC** FUEL + QS + TRACTION CONTROL

**YAMAHA YXZ1000 | 2015**  
**F717 | T717**

## 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](http://bazzaz.net).

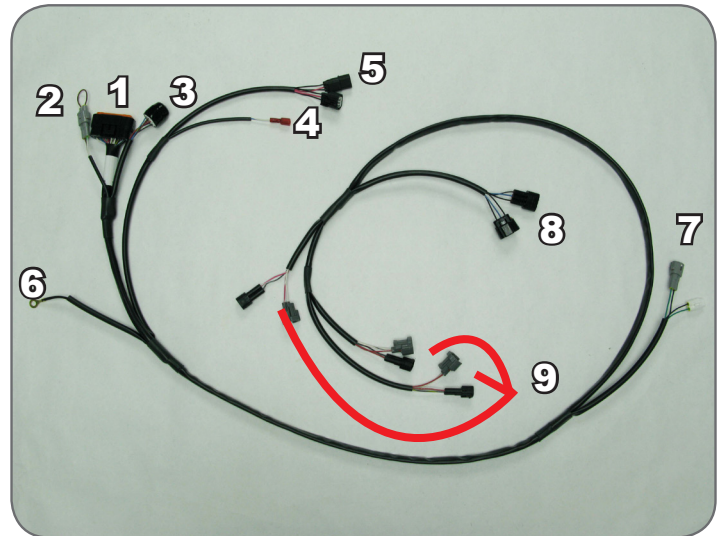
# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi/Z-Fi TC control unit
2. Fuel harness
3. Coil harness (For Z-Fi TC only)
4. Shift Switch and mounting hardware (For Z-Fi TC only)
5. Scotchlok
6. USB cable
7. Swingarm stickers
8. Velcro
9. CKPS jumper
10. Download Bazzaz software from [bazzaz.net/index.php/software-overview](http://bazzaz.net/index.php/software-overview)

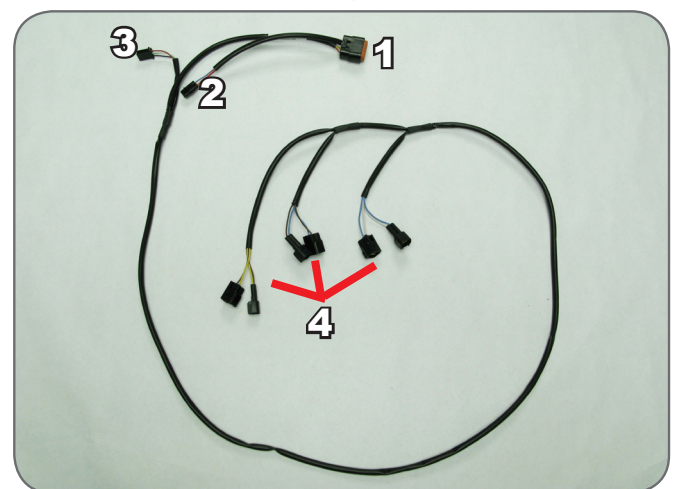
## FUEL HARNESS

1. Main
2. Map Select
3. ZAFM
4. Neutral
5. Speed
6. Ground
7. CKPS
8. TPS
9. Injectors/+12V Sw. Power



## COIL HARNESS (Z-FI TC ONLY)

1. Main
2. TC Adjust Switch
3. Shift Switch
4. Coils

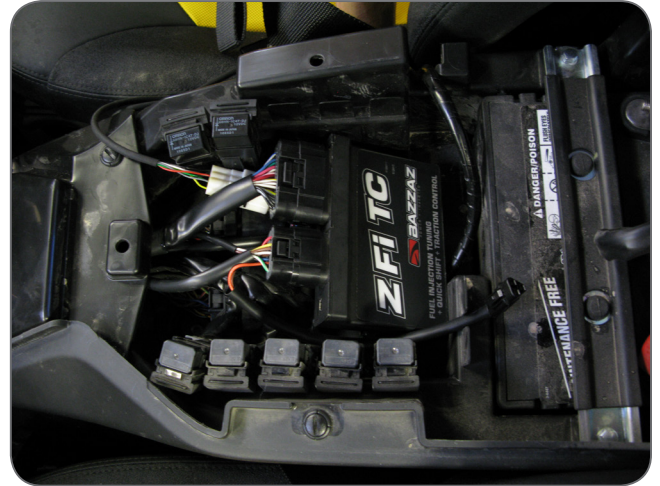


# 3>REMOVE

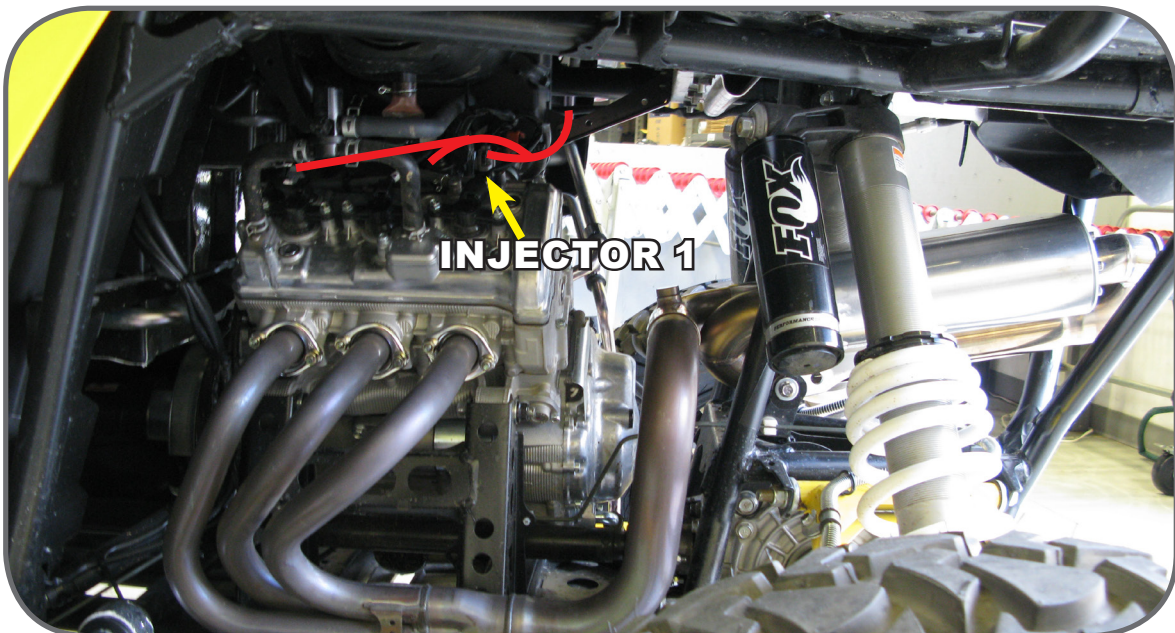
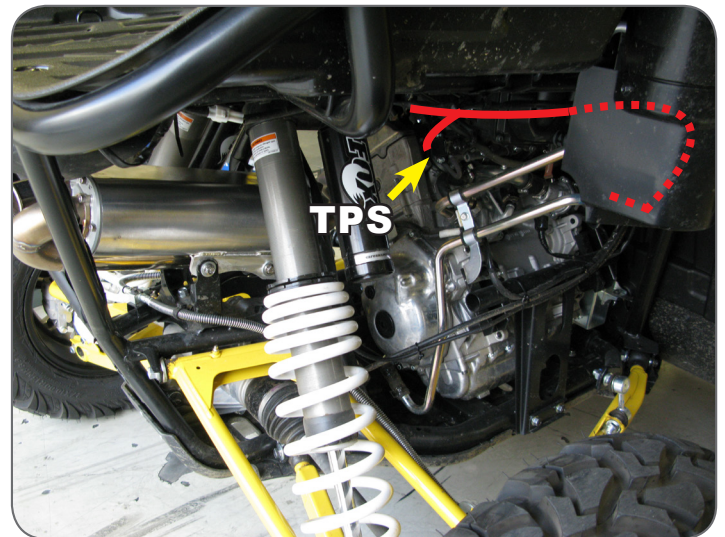
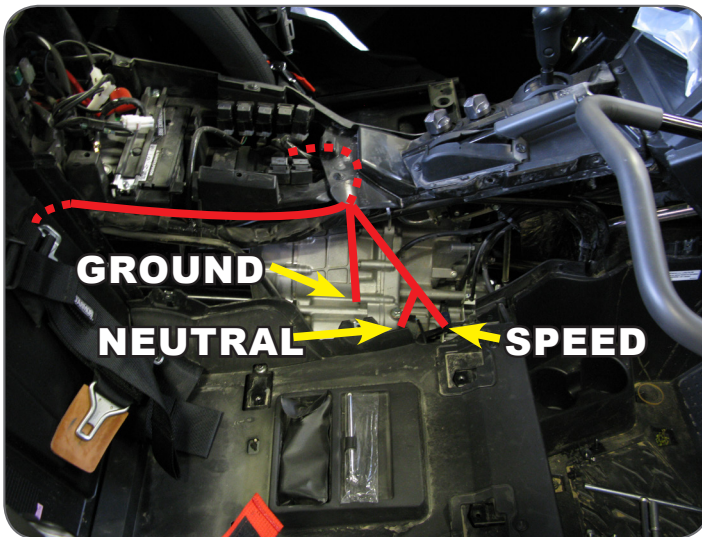
1. Two plastic airbox covers
2. Plastic right side transmission cover

# 4>SECURE

1. Mount the Bazzaz control unit on top of the factory ECU using the factory ECU strap.



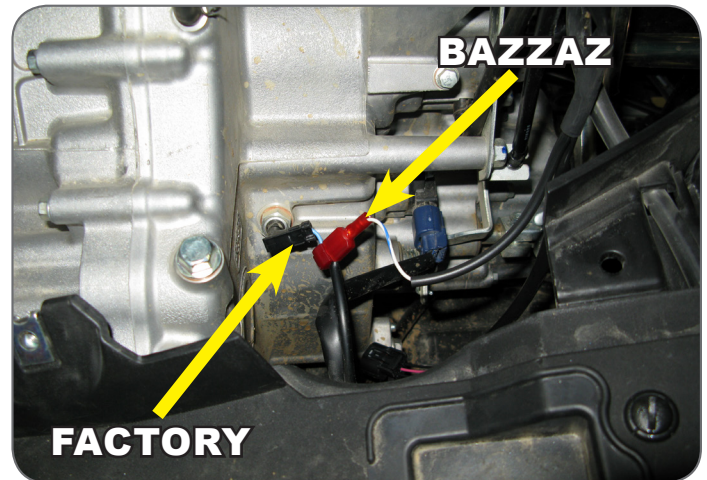
2. Connect the Bazzaz fuel harness to the control unit, and begin routing the harness as shown in the below images.



# 5>CONNECT

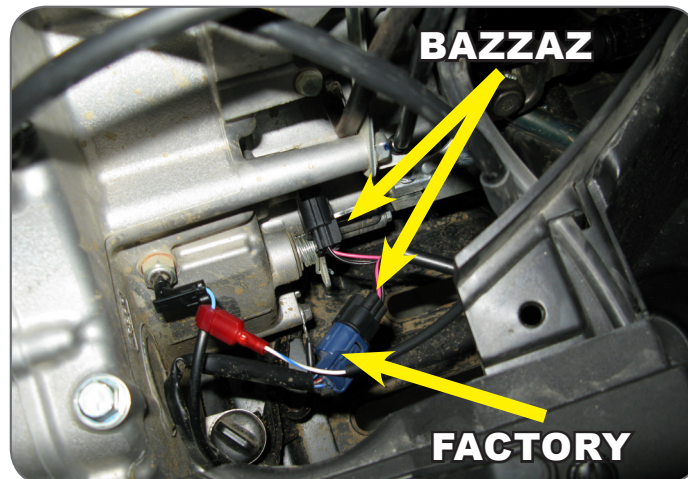
## 5.1

1. Route the Bazzaz neutral and speed connectors towards the transmission case.
2. Locate the factory neutral sensor connector.
3. Use the supplied scotchlok to crimp onto the factory light blue wire and install the Bazzaz neutral sensor connector.



## 5.2

1. Locate the factory blue speed sensor connector near the factory neutral sensor.
2. Disconnect the factory speed sensor connector and install the Bazzaz speed sensor connectors inline.



## 5.3

1. Locate the Bazzaz ground lug and install onto a chassis 8mm bolt.



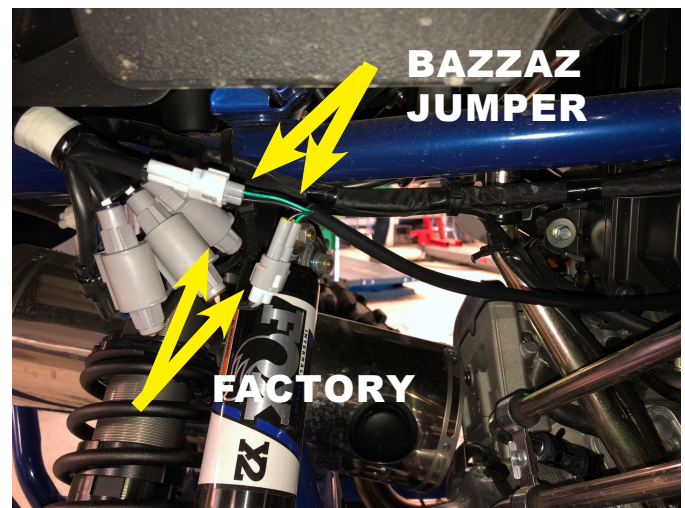
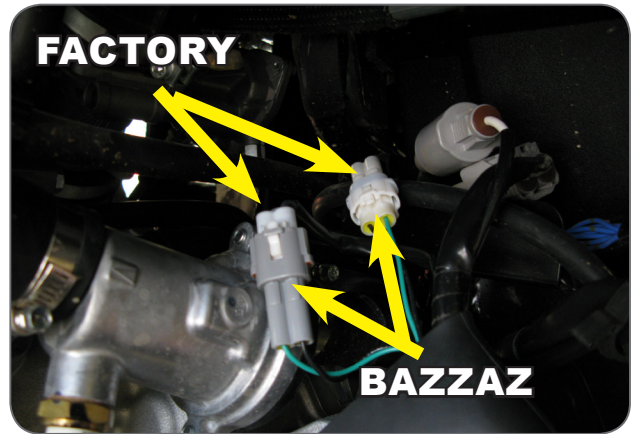
# 5>CONNECT (CONT.)

## 5.4

1. Locate the factory CKPS connectors, which will be found within a black rubber boot near where the Bazzaz enters the engine compartment.
2. Pull the rubber boot back and locate the factory white two pin CKPS connectors. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.

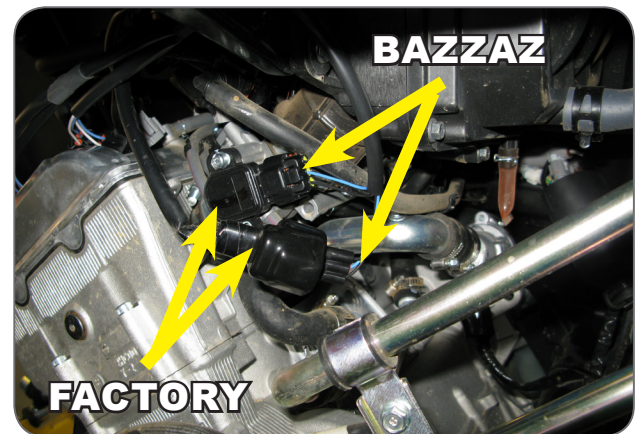
### FOR 2019 MODELS ONLY :

3. Use the jumper provided in the kit to connect the factory CKPS connectors to the Bazzaz CKPS connectors inline.



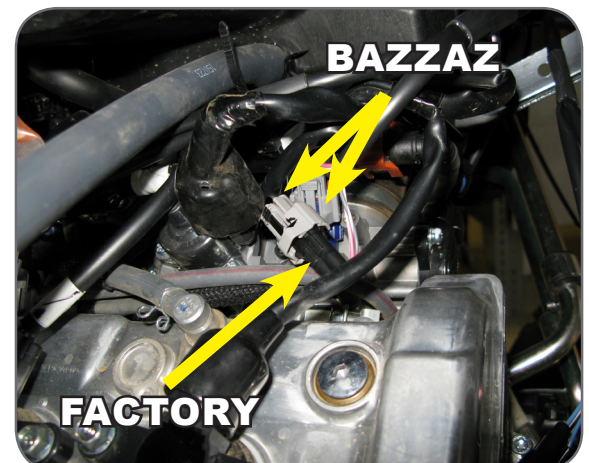
## 5.5

1. Locate the factory TPS, which can be found directly on the end of the throttle bodies.
2. Disconnect the factory TPS connector and install the Bazzaz TPS connectors inline.



## 5.6

1. Locate the factory grey injector connector, which can be found on top of the throttle body near the factory TPS.
2. Disconnect the factory injector connector and install the Bazzaz injector connector inline.
3. Repeat these steps for the next two injectors working your way from back to front.



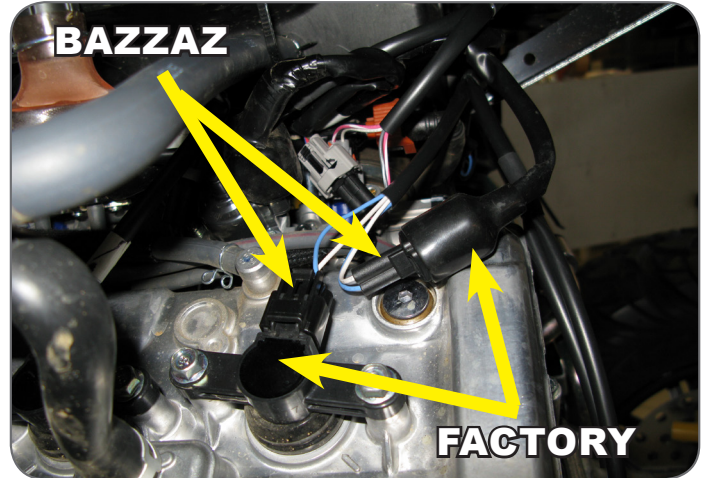
**SECTION 6>CONNECT, AND 7>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 9>SECURE**

# 6>CONNECT

## 6.1

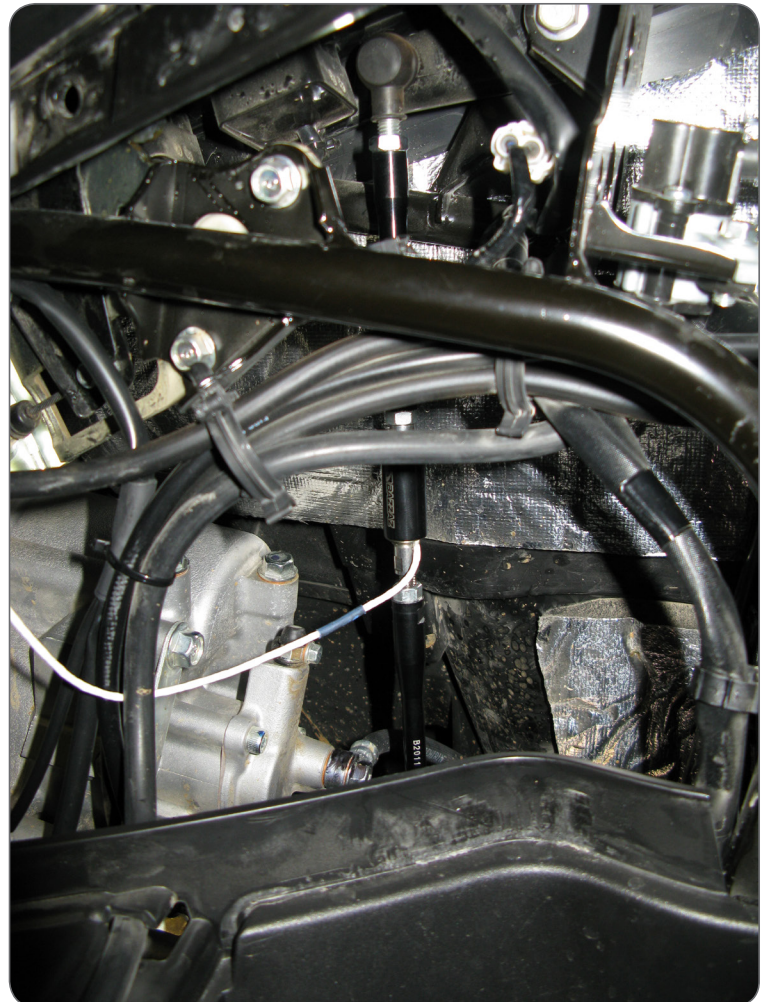
1. Connect the Bazzaz coil harness to the control unit and begin to route the harness along the Bazzaz fuel harness towards the factory coils on top of the valve cover.
2. Begin to work your way from back to front installing the Bazzaz coil

(FOR USE WITH Z-FI TC ONLY!)



# 7>QUICKSHIFT

1. To begin the installation of the shift switch, measure and note your shift pedal height so you may reposition the shift lever once complete.
2. Remove the factory shift rod and begin to install the Bazzaz shift switch using both of the supplied allen stud bolts and tighten.
3. Begin to install the Bazzaz shift rods. The shift rod may need to be cut to get your original shift pedal height.
4. Ensure to retighten all lock nuts on the shift linkage.



# 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](http://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
- 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

- 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](http://bazzaz.net)

## 10>REINSTALL

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

## 11>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**



# 12>NEXT LEVEL

\*\*Accessories purchased separately.

## MAP SELECT/ TC ADJUST SWITCH

Switch maps on the fly with this handle-bar-mounted switch. Quickly adjust traction control settings using a 10-point dial. Weatherproof toggle and easy installation.



**129.95**

## MAP SELECT SWITCH

Switch maps on the fly with this handle-bar-mounted switch. Weatherproof toggle and easy installation.



**79.95**

## Z AFM SELF MAPPER

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**

## TC ACTIVE LIGHT

Illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated.



**79.95**

# NOTES:

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**THE SMARTEST PERFORMANCE TUNING TECHNOLOGY**



Proudly made in the  
**United States**

**F717 | T717**