BAZZAZ®

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFi
FUEL MANAGEMENT

HARLEY DAVIDSON DYNA | '15-16
F255

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 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.
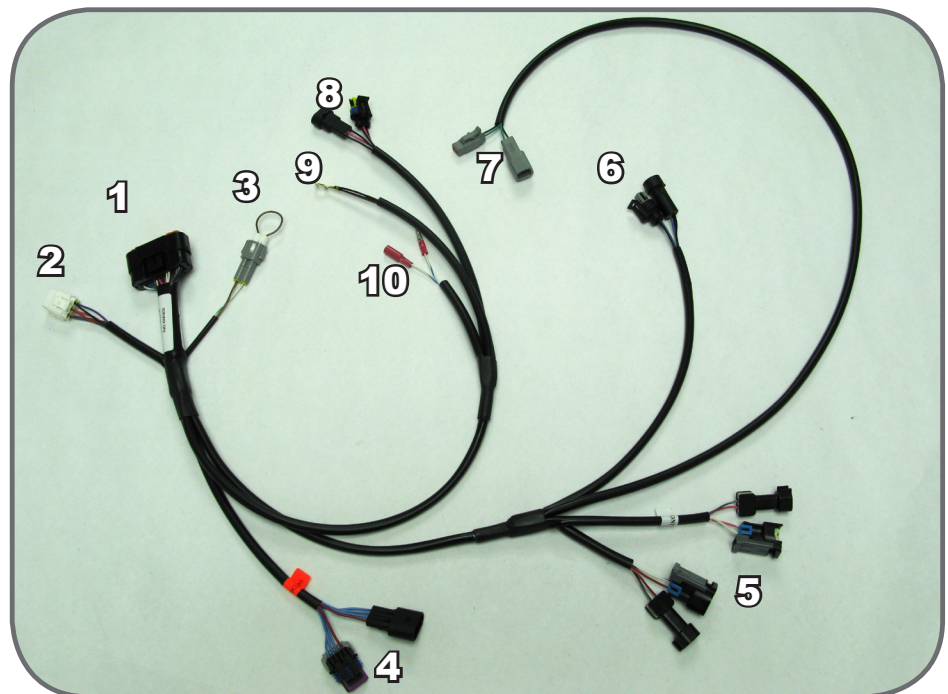
2>IDENTIFY

INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. O2 Stabilizer (2)
4. USB cable
5. Swingarm stickers
6. Download software from Bazzaz.net

FUEL HARNESS

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

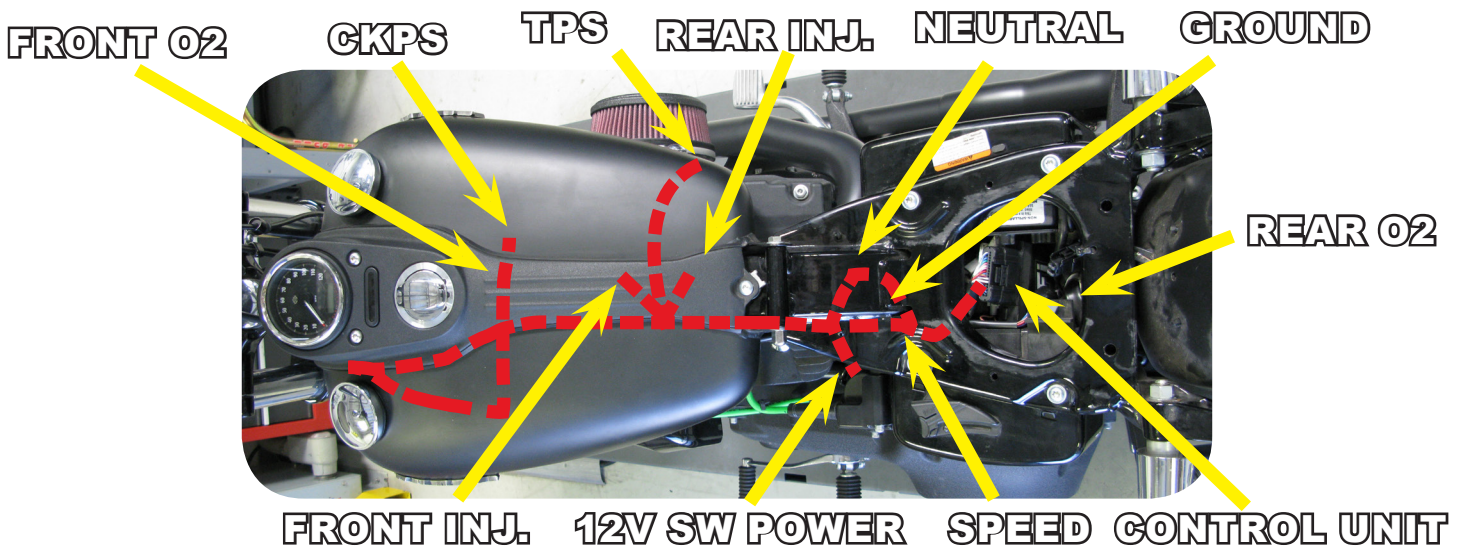# 3>REMOVE

1. Rider Seat
2. Airbox
3. Fuel Tank

4>SECURE

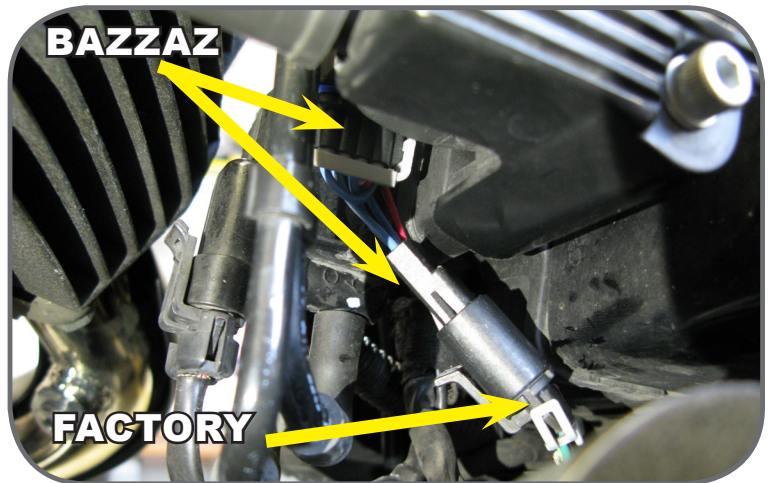1. Secure the Bazzaz control unit beneath the rider seat.

5>ROUTING

1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the pictures below.

FRONT O2   CKPS   TPS   REAR INJ.   NEUTRAL   GROUND   REAR O2

FRONT INJ.   12V SW POWER   SPEED   CONTROL UNIT
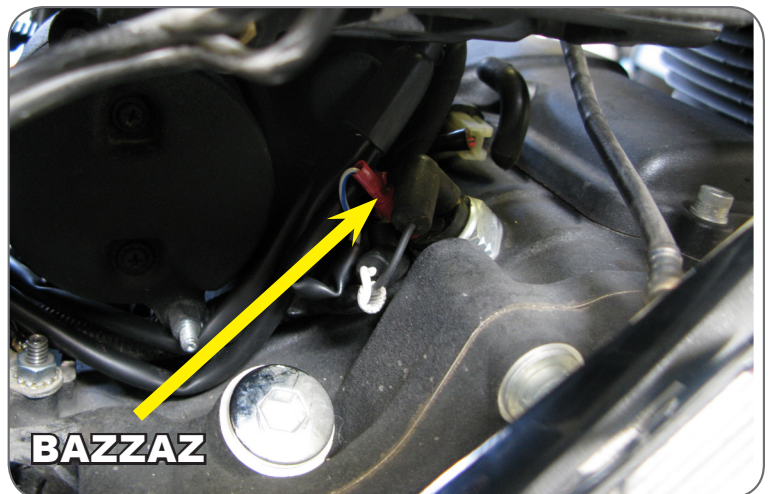
6>CONNECT

6.1

1. Locate the factory coil connector, which can be found on the coil pack itself.
2. Disconnect the factory connector and install the Bazzaz switched power connectors inline.

BAZZAZ

FACTORY

6.2

1. Locate the factory neutral sensor, which can be found on top of the transmission case.
2. Disconnect the factory white wire and install the Bazzaz neutral connectors inline.

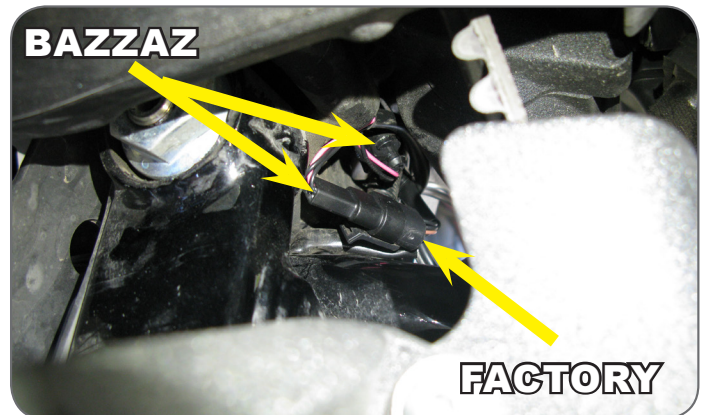
BAZZAZ

6>CONNECT (CONT.)

6.3

1. Locate the factory ground post near the neutral sensor.
2. Install the Bazzaz ground lug and retighten the factory nut.
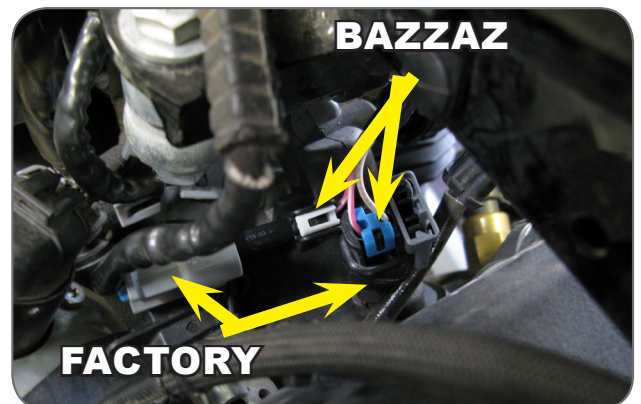

6.4

1. Locate the factory speed sensor, which is located behind the starter motor.
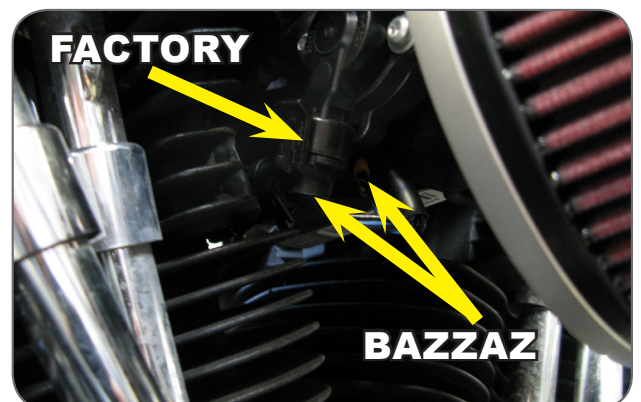2. Disconnect the factory speed sensor connector and install the Bazzaz inline.

6.5

1. Locate the factory injectors which are located between the two cylinders and on top of the throttle body tubes.
2. Disconnect the factory injector connectors and install the Bazzaz injector connectors inline. (Ensure the injector connectors are installed according to the labeling on the Bazzaz harness.)
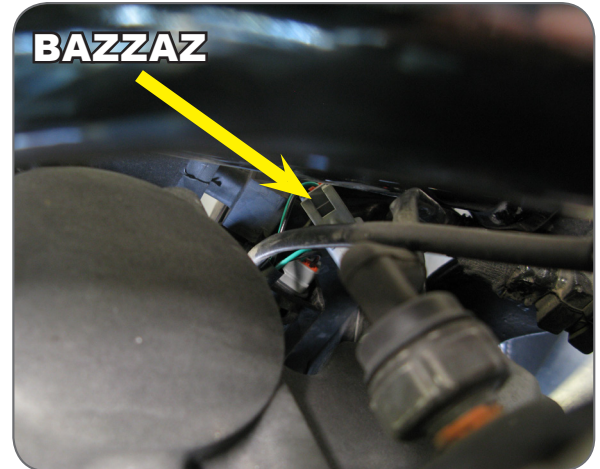

6.6

1. Locate the factory TPS located on the left side of the throttle body.
2. Disconnect the factory TPS connector and install the Bazzaz TPS connectors inline.
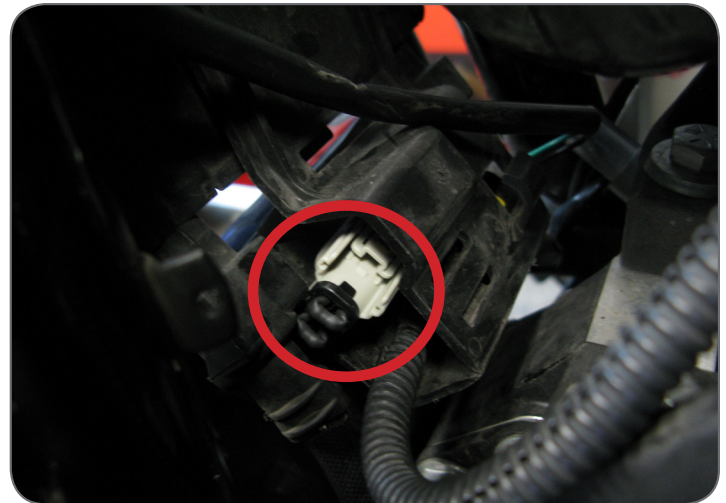
6>CONNECT (CONT.)

6.7

1. Locate the factory CKPS connectors which can be found at the front of the bike towards the bottom of the motor near the factory front O2 sensor connector.
2. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.

6.8

1. Locate the factory front O2 sensor connector, which can be found near the factory CKPS connectors.
2. Disconnect the factory O2 sensor and install the Bazzaz O2 stabilizer. (The O2 sensor connectors are colored and keyed differently as well as the Bazzaz O2 stabilizers. Match the color connectors together for correct installation.)

6.9

1. Locate the factory rear O2 sensor connector, which can be found near the factory battery.
2. Disconnect the factory O2 sensor connector and install the Bazzaz O2 stabilizer. (The O2 sensor connectors are colored and keyed differently as well as the Bazzaz O2 stabilizers. Match the color connectors together for correct installation.)

7>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).

8>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
- 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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9>REINSTALL

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

10>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.

MAP 1   **MAP 2**

11>NEXT LEVEL

Accessories purchased separately.

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

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United States

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