INSTALLATION INSTRUCTIONS

BAZZAZ®

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Z-Fi FUEL MANAGEMENT

BMW R NINE T | 2014-2016
F1091

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 control unit
2. Fuel harness
3. Scotchlok (3)
4. USB cable
5. Swingarm stickers
6. Velcro
7. Download Bazzaz software from bazzaz.net/index.php/software-overview

FUEL HARNESS

1. Main
2. +12v SW Power
3. CKPS
4. Right Injector
5. Ground
6. ZAFM
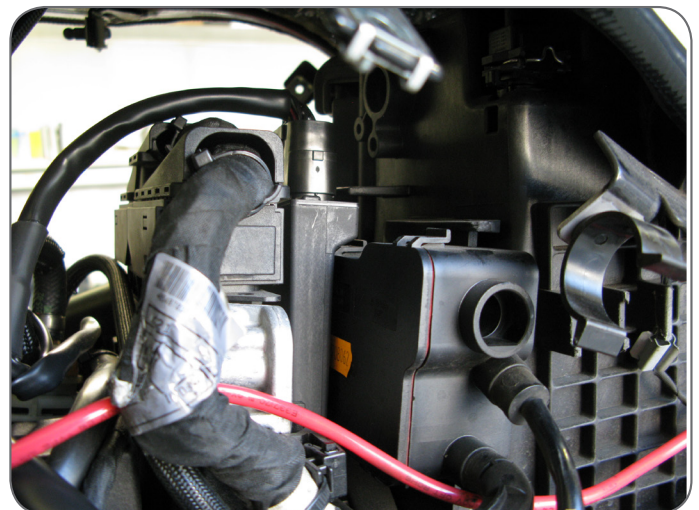7. Map Select
8. Left Injector
9. GPS
10. TPS
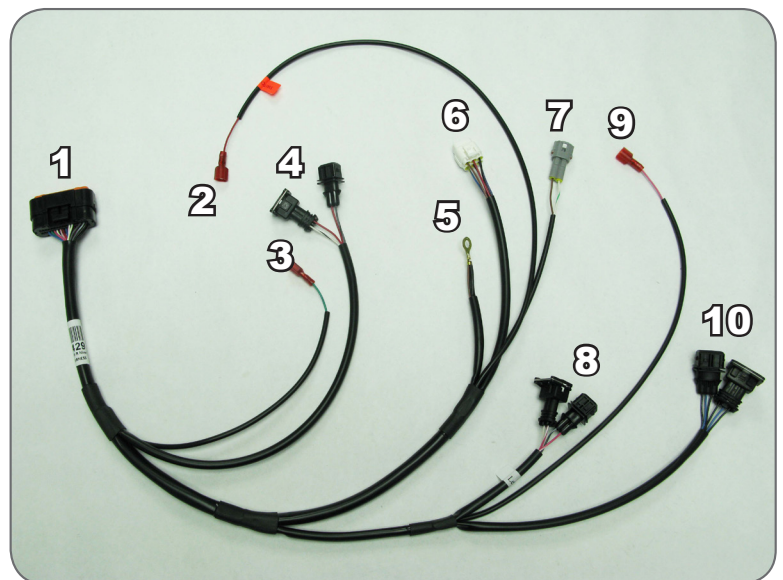
3>REMOVE

1. Rider seat.
2. Passenger seat.
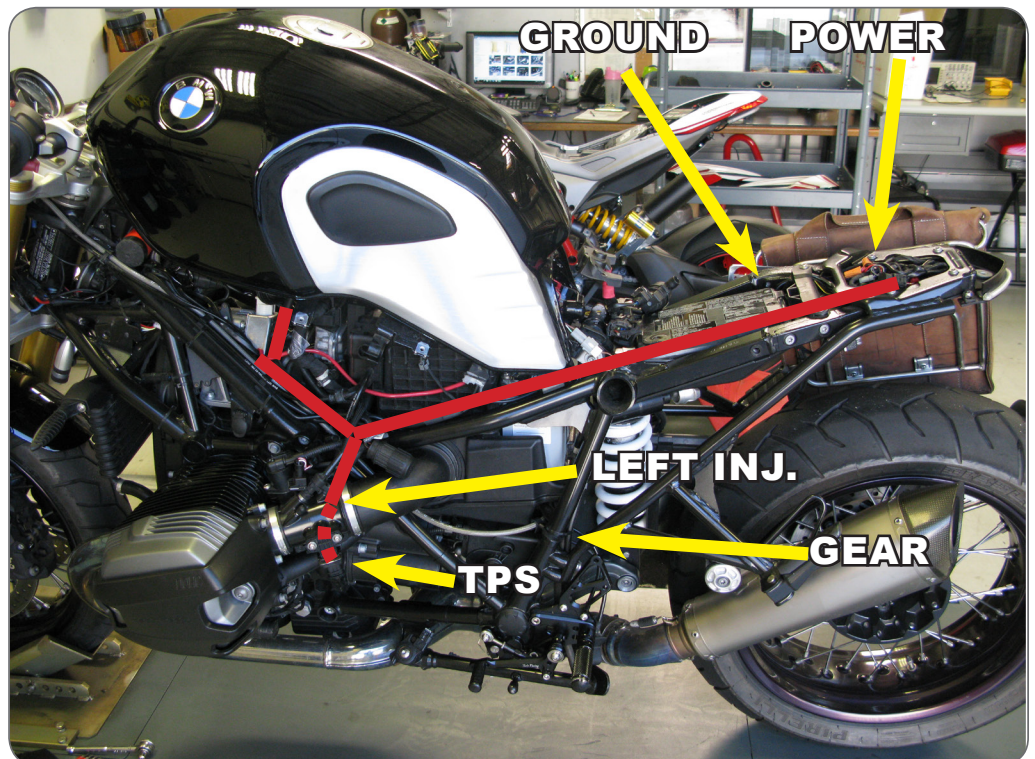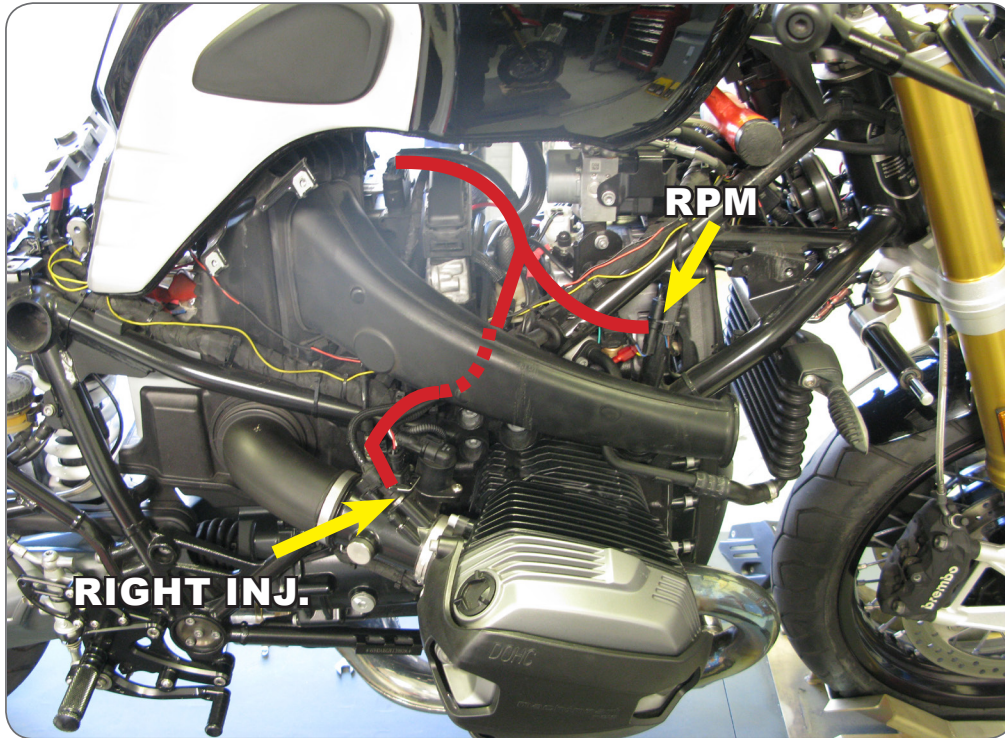3. Lower cylinder covers
4. Lift the fuel tank

4>SECURE

1. The Bazzaz control unit will be secured beneath the fuel tank between the factory ECU and the airbox.
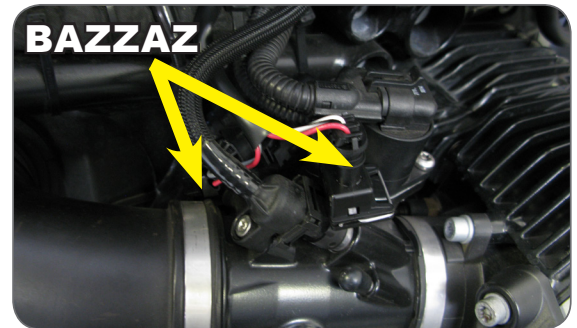
5>CONNECT
5.1

1. Connect the Bazzaz fuel harness to the control unit and begin to route the harness as shown in the pictures below.
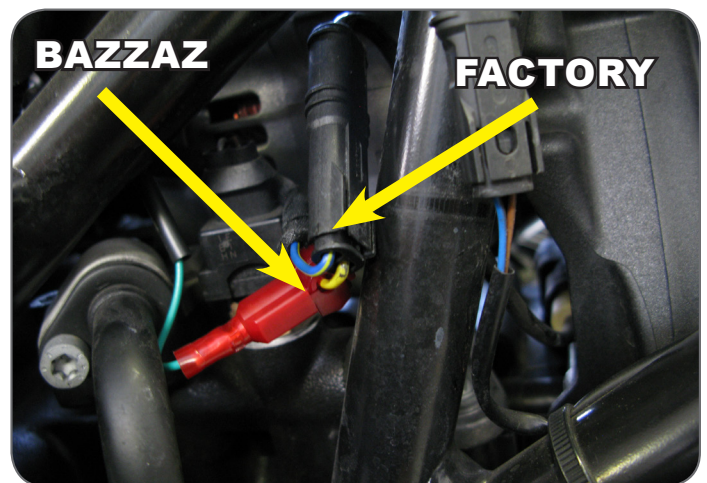
5>CONNECT

5.2

1. Locate the factory right injector connector, which can be found on top of the factory throttle tube above the fuel injector.
2. Disconnect the factory right injector connector and install the Bazzaz right injector connector inline.

5.3

1. Locate the factory two pin CKPS connector, which can be found on the right hand side of the bike zip tied to the frame rail.
2. Separate the factory yellow wire and install the supplied scotchlok onto the factory yellow wire.
3. Connect the Bazzaz CKPS connector.

5.4

1. Locate the factory TPS connector, which can be found on left hand side of the bike on the side of the factory throttle tube.
2. Disconnect the factory TPS connector and install the Bazzaz TPS connector inline.
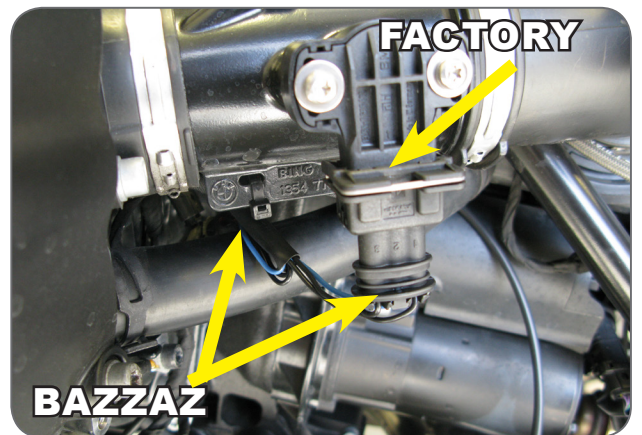
5.5

1. Locate the factory left injector connector, which can be found just above the factory TPS connector and above the factory injector.
2. Disconnect the factory left injector connector and install the Bazzaz injector connector inline.
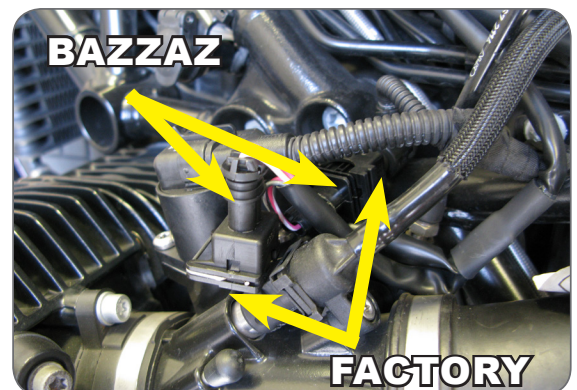
5>CONNECT (CONT.)

5.6

1. Locate the factory gear position connector, which can be found on the left hand side of the motor near the factory shift rod.
2. Disconnect factory gear position connector mount and begin to move the connector to the side of the bike for the ease of the installation.
3. Separate the middle purple/black wire and use the supplied scotchlok to crimp onto the factory middle purple/black wire.
4. Connect the Bazzaz gear position connector and replace the factory gear position connector to its factory location.
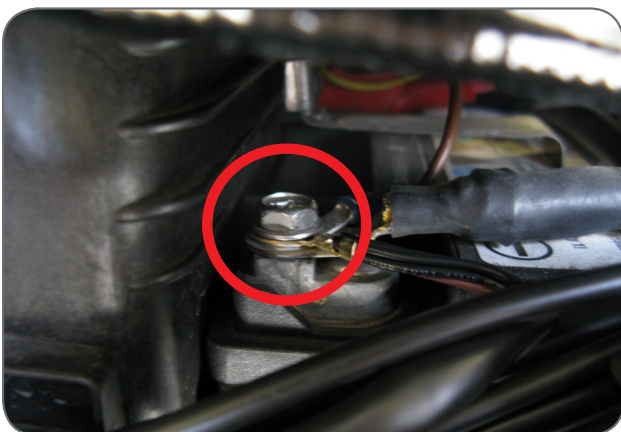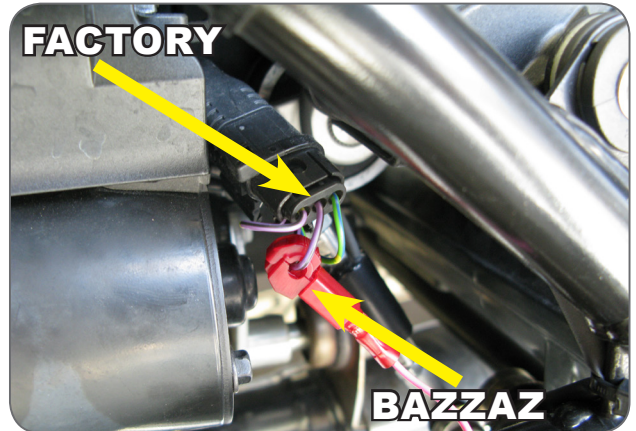

5.7

1. Locate the factory negative battery terminal, which is on the left hand side of the bike beneath the fuel tank.
2. Unscrew the factory negative battery terminal bolt and install the Bazzaz ground lug.
3. Retighten the negative battery bolt.

5.8

1. Locate the factory three pin spare connector in the tail section of the bike.
2. Separate the factory grey/red wire and use the supplied scotchlok to crimp onto the grey/red wire.
3. Connect the Bazzaz switched power connector.
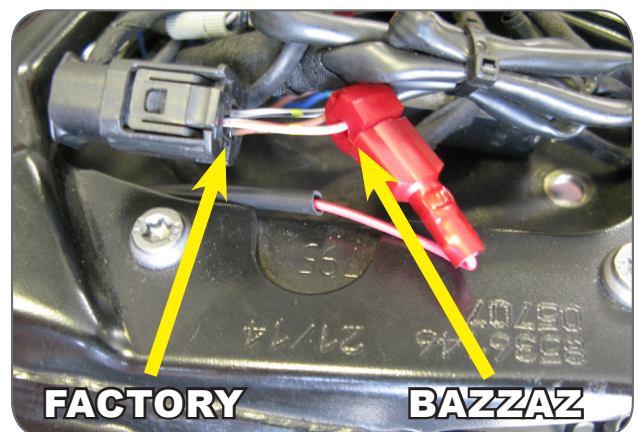
5.9

1. Locate the factory left and right O2 sensors which can be found on the bottom of the cylinders mounted to a small bracket.
2. Disconnect the factory O2 sensors and secure the connectors away from any hot or moving parts.

6>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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7>REINSTALL

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

8>USE

MAPS

The Bazzaz controller is capable of storing two maps. You may 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**

9>NEXT LEVEL

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

MAP SELECT SWITCH

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

79.95

BAZZAZ
POWER · INJECTED

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United States

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