(DFC)
DYNOJET FUEL CONTROLLER

PARTS LIST

1	Dynojet Fuel Controller
1	USB Cable
1	CD-ROM
1	Installation Guide
2	Dynojet Decals
2	Velcro
1	Alcohol swab
1	Posi-tap

2009-2010 Yamaha Zuma 125

Installation Instructions

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet®

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USB Port

HIGH RPM Dial

MID RPM Dial

LOW RPM Dial

MAP Select

STATUS Light

Position	Notes
Position 1	Stock exhaust Stock air filter
Position 2	Aftermarket full exhaust Stock air filter

All other positions equal no changes to the stock fuel curve

Selecting the Map Position

The Performance Module comes loaded with 2 maps. Using a #1 Phillips screwdriver, turn the map select dial to toggle between the loaded maps. Refer to the map position table below for the maps included in your Performance Module.

Using the DFC Range Dials

The Low, Mid, and High RPM Dials refer to the RPM range, in thirds, of your vehicle. Each dial allows +/- 10% fuel adjustment on top of what fuel changes are done in the map. With the dial facing straight up, there is no additional fuel change

For example, if your vehicle revs to 9000 RPM:
- The low RPM dial will adjust 0-3000 RPM
- The mid RPM dial will adjust 3001-6000 RPM
- The high RPM dial will adjust 6001-9000 RPM

Using DFC Control Center

Take your tuning to the next level with the DFC Control Center software.

1   Insert the CD provided into your computer's cd-rom drive. The launch program will run automatically. If auto-run is disabled, double-click the My Computer icon then double-click the CD drive icon. Double-click DFCsetup.exe to manually start the CD.

2   Click Install Software and follow the on-screen instructions to install the DFC software. The DFC software and maps will be stored in C:\Program Files\DFC Control Center.

3   Click Map Database. All maps will automatically be installed to the C:\Program Files\DFC Control Center\maps folder.

Loading Additional Maps

1   Connect the USB cable from the computer to the DFC Module. Verify the cable is fully seated in the DFC.

2   Run the Control Center software by double-clicking the program icon installed on your desktop or on your start menu.

3   Click Open Map File and select a map file.

4   Click Send Map. You can send the map to any of the ten map positions .

Altering Maps Using Software

The values in the map represent a percentage of fuel change over stock. A value of 10 in the map indicates at that throttle position and RPM range the vehicle will be 10% richer than stock. If the value is -10, then it would be 10% leaner than stock. You have the ability to fine tune your fuel curve by altering these values . The Control Center software allows a value of +250 to -100 in each cell.
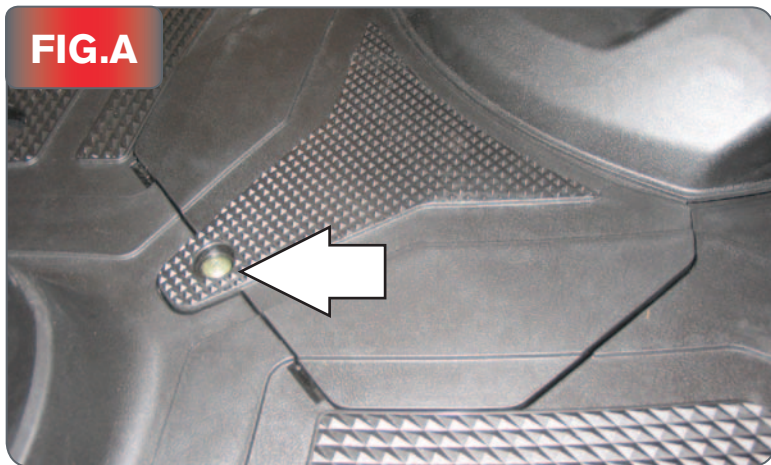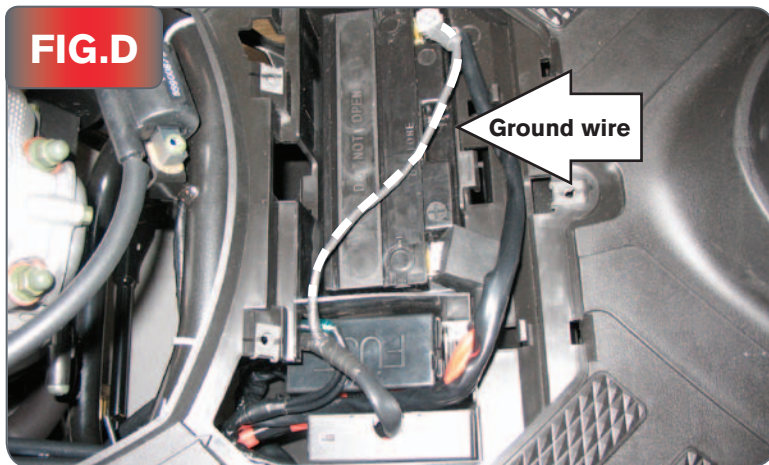
FIG.A

1   Remove the battery cover (Fig. A).

**FIG.B**
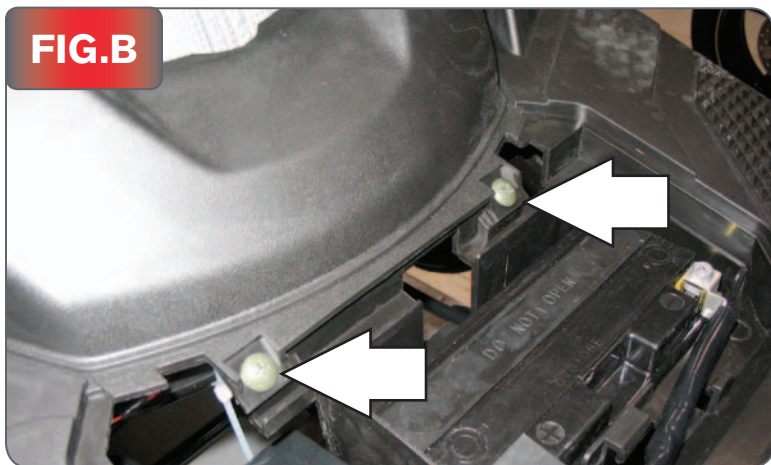
2   Remove the 2 screws shown in Figure B.
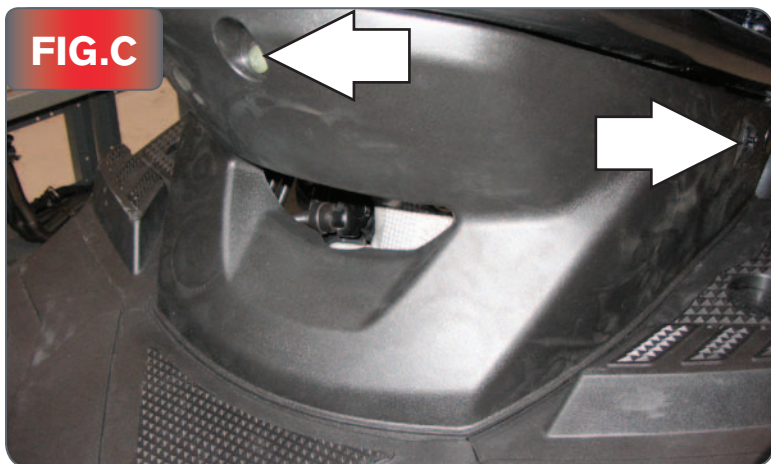
FIG.C

3   Remove the engine cover by removing the 1 screw in the front and the 2 push tabs (1 on either side) (Fig.C).

FIG.D

Ground wire

FIG.E

FIG.F

4   Install the DFC next to the battery (Fig. D).

5   Attach the ground wire from the DFC to the negative side of the battery.

6   Route the DFC harness towards the engine following the stock harness.
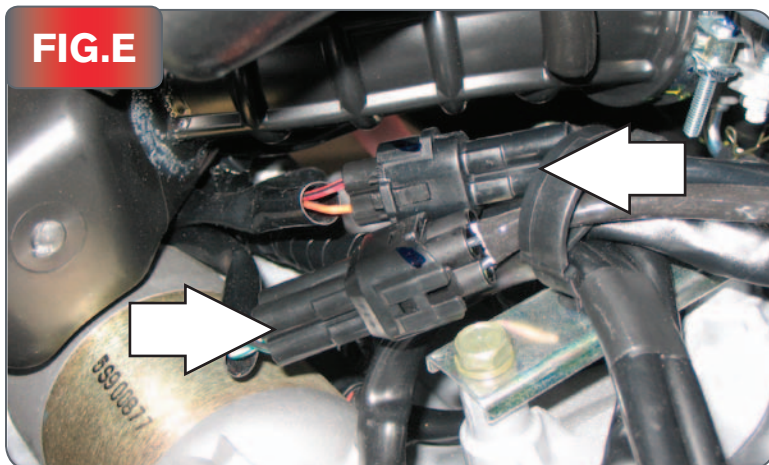
7   From the right side of the bike unplug the stock wiring harness (Fig. E).

     The BLACK 4 pin connector is from the O2 sensor.

     The BLACK 2 pin connector is from the injector.

8   Plug the harness from the DFC in-line of the stock wiring harness.
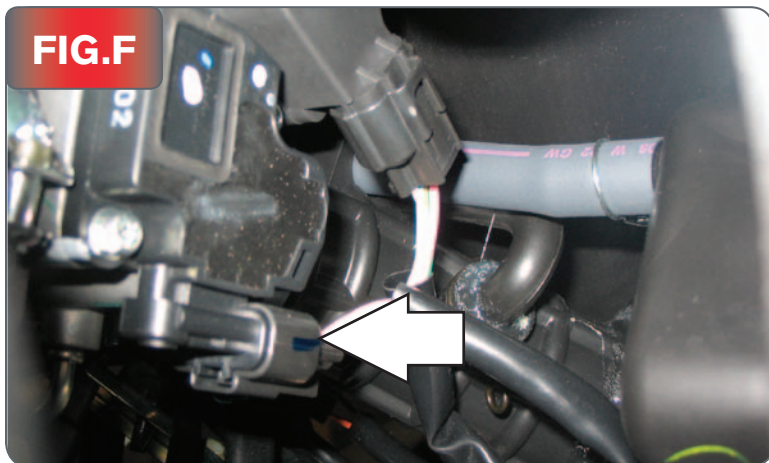
9   Locate the Throttle Position Sensor on the left side of the throttle body (Fig. F)

10   Unplug the TPS from the throttle body.

     This allows access to the harness.

FIG.G

Posi-Tap

1. Insert Hot Wire
2. Tighten
3. Strip Leads
4. Insert & Tighten

11   Using the supplied posi-tap attach the GREY wire from the DFC to the YELLOW wire of the stock TPS harness (Fig. G).

12   Connect the TPS harness back onto the throttle body.

13   Reinstall bodywork.

FIG.H

The DFC for this model controls the stock closed loop area. This area is represented by the highlighted cells shown in Figure H. The DFC is designed to achieve a target AFR of 13.6:1. To use this DFC you must retain your stock O2 sensor.

It is not recommended to alter the values in the highlighted area unless instructed to do so by a Dynojet technician.