



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 O2 Optimizer

2004-2009 Suzuki Burgman 650

Installation Instructions

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION





USB Port
HIGH RPM Dial
MID RPM Dial
LOW RPM Dial
MAP Select
STATUS Light

Position	Notes	Model/Year
Position 1	Stock exhaust Stock air filter	2005-2009 Suzuki 400

Selecting the Map Position

The Dynojet Fuel Controller (DFC) comes loaded with up to three 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 DFC.

Using the RPM 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 6000 RPM:

- The low RPM dial will adjust 0-2000 RPM
- The mid RPM dial will adjust 2001-4000 RPM
- The high RPM dial will adjust 4001-6000 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 Control Center software. The DFC Control Center 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

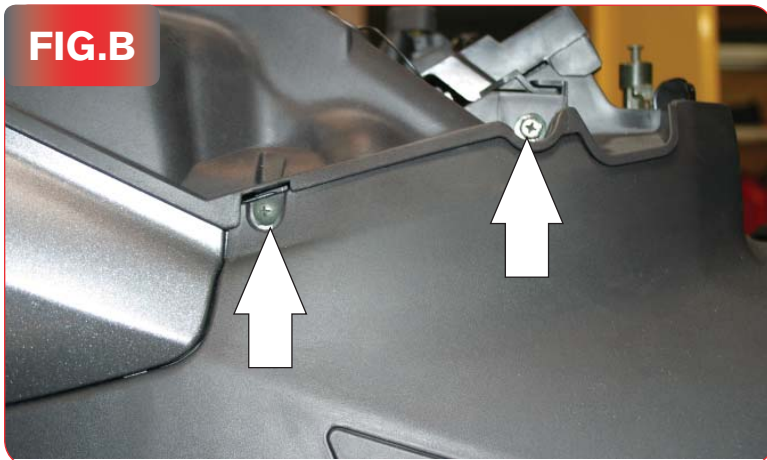
- 1 Connect the USB cable from the computer to the DFC. Verify the cable is fully seated in the DFC.
- 2 Run the Control Center software by double-clicking the program icon installed on your desktop or on your start menu.
- 3 Click Open Map File and select a map file.
- 4 Click Send Map. You can send the map to any of the three 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.



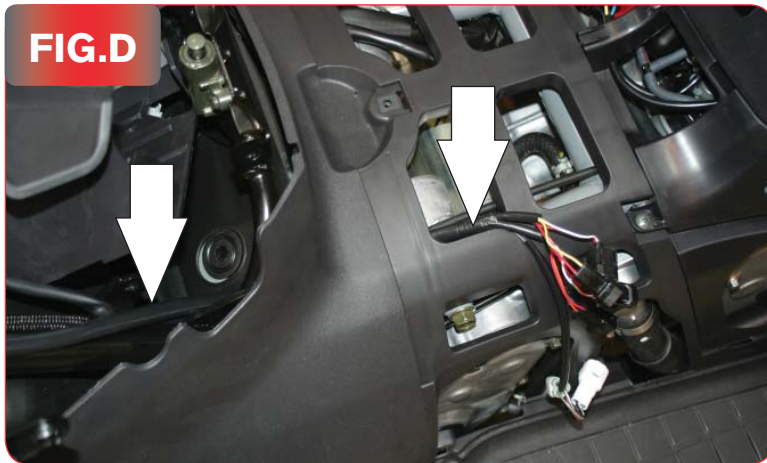
1. Remove the main seat completely from the motorcycle.
2. Remove the battery.
3. Remove the engine cover as shown in Figure A by removing the screw and pulling outwards on each side.



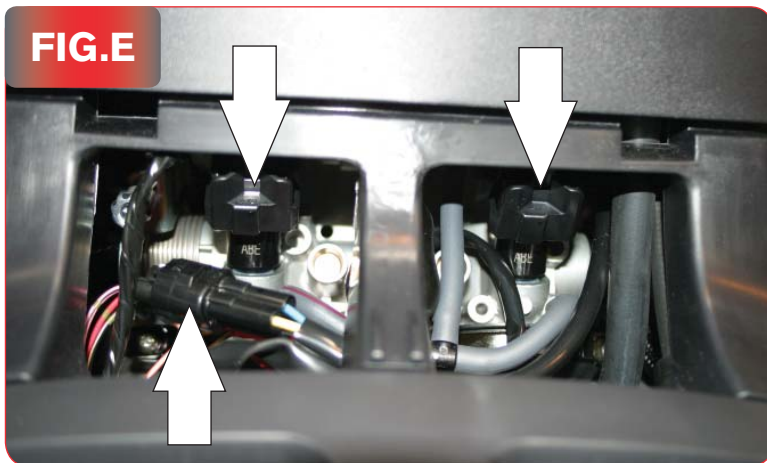
4. Remove the body cover by removing the two screws on each side of the panel as shown in Figure B.



5. The battery tray panel will need to be lifted up so the DFC harness can be routed through it as shown in Figure C.



6. Route the DFC harness underneath the body panel as shown in Figure D. Keep the harness routed along the stock wiring harness.
7. Route the DFC harness between the body panel and the engine and go towards the throttle bodies.



8. Unplug the stock wiring harness from the injectors as shown in Figure E.
9. Unplug the stock Throttle Position Sensor (TPS) connector as shown in Figure E.



10. Attach the DFC harness to the stock wiring harness and the fuel injectors.
11. Attach the DFC harness to the stock TPS sensor harness.



12. Reinstall the battery tray and battery.
13. Attach the ground wire from the DFC to the negative side of the battery as shown in Figure G.



14. Install the DFC in the location of the stock tool kit as shown in Figure H.
The tool kit can be placed next to the DFC or in the trunk area.
15. Reinstall the engine cover and seat.



European Models Only

16. Locate the O2 sensor connection under the engine cover.
17. Unplug the stock O2 sensor harness from the main wiring harness.
18. Plug the Dynojet O2 sensor optimizer (P/N 76423008) into the main wiring harness as shown in Figure I. The O2 sensor harness does not need to be connected to anything.

The O2 sensor optimizer is optional and allows the user full control over the fuel curve. If the O2 optimizer is not used you will not be able to make fuel changes below 40% throttle.