POWER COMMANDER FC

2004-2014 Suzuki GSX-R600/GSX-R750

Installation Instructions

Parts List

1	Power Commander FC
1	USB Cable
1	Installation Guide
2	Dynojet Decals
2	Velcro
1	Alcohol swab
1	O2 Optimizer

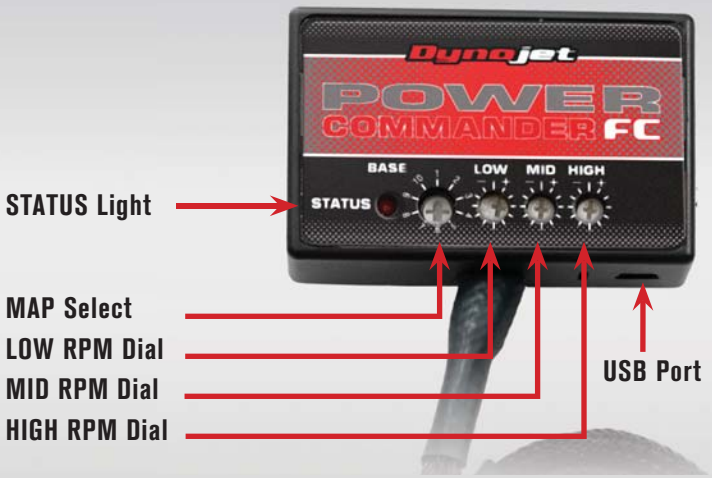
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

YOU CAN ALSO DOWNLOAD THE PCFC CONTROL CENTER SOFTWARE AND LATEST MAPS FROM OUR WEB SITE AT: www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com



Position	Note
Position 1	2004-2005 Suzuki GSX-R600 Stock exhaust Stock or aftermarket air filter
Position 2	2006-2007 Suzuki GSX-R600 Stock exhaust Stock or aftermarket air filter
Position 3	2008-2010 Suzuki GSX-R600 Stock exhaust Stock or aftermarket air filter
Position 4	2011-2014 Suzuki GSX-R600 Stock exhaust Stock or aftermarket air filter
Position 5	2004-2005 Suzuki GSX-R750 Stock exhaust Stock or aftermarket air filter
Position 6	2006-2007 Suzuki GSX-R750 Stock exhaust Stock or aftermarket air filter
Position 7	2008-2010 Suzuki GSX-R750 Stock exhaust Stock or aftermarket air filter
Position 8	2011-2014 Suzuki GSX-R750 Stock exhaust Stock or aftermarket air filter

SELECTING THE MAP POSITION

The Dynojet Power Commander Fuel Controller (PCFC) comes loaded with up to ten maps. Using a #1 Phillips screwdriver, turn the map select dial to toggle between the loaded maps. Refer to the map position table for the maps included in your PCFC.

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 PCFC CONTROL CENTER

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

1. Using your web browser, navigate to www.powercommander.com.
2. Click Enter Race Ready.
3. Click Downloads.
4. Click Access Downloads for Power Commander FC.
5. Click the PCFC software Download button.
6. Open the zip folder.
7. Double-click the install file and follow the on-screen instructions to install the PCFC Control Center software. The PCFC Control Center software and maps will be stored in C:\Program Files\PCFC Control Center.
8. Return to the Downloads or Home page where you can enter the make, model, and year of your bike to check for and download additional maps.

LOADING ADDITIONAL MAPS

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

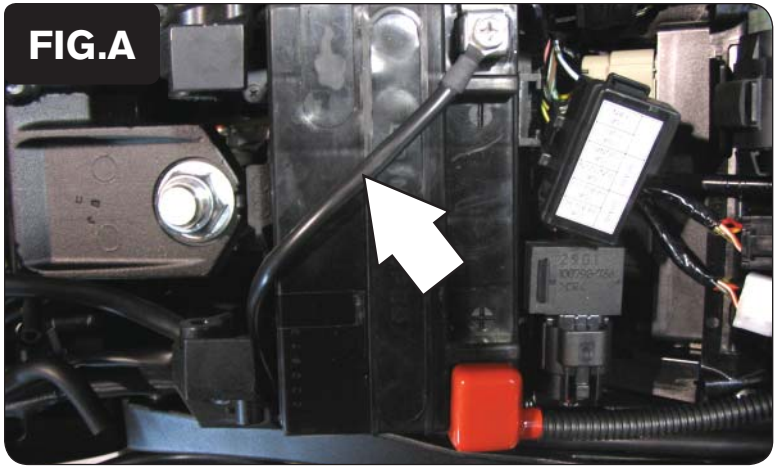


FIG.B

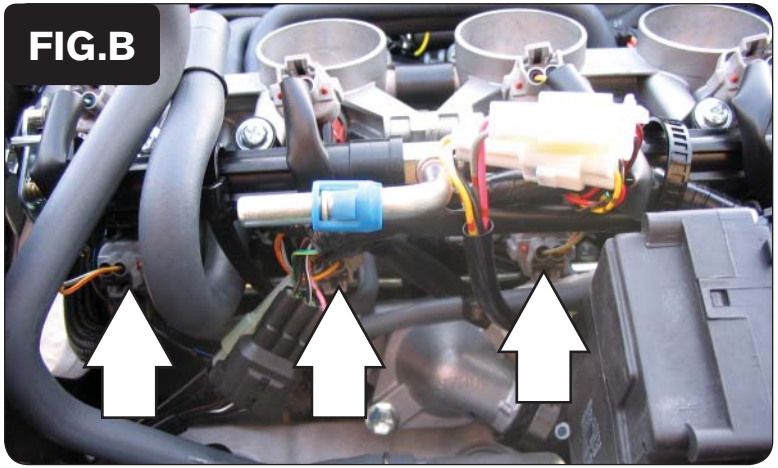
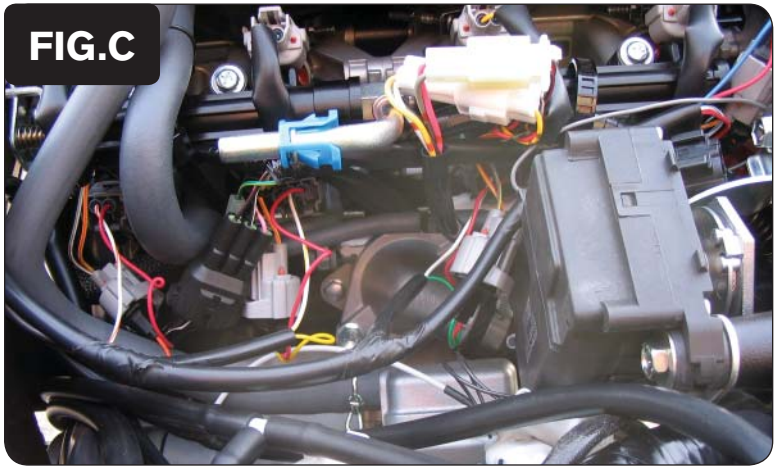


FIG.C



1 Remove the main seat and the passenger seat or solo cover.

2 Prop the fuel tank up using the prop rod in the tail section.

3 Lay the PCFC in the tail section.

4 Route the wiring harness from the PCFC under the tail section and go towards the engine down the left hand side of the bike.

5 Attach the ground wire from the PCFC to the negative side of the battery as shown in Figure A.

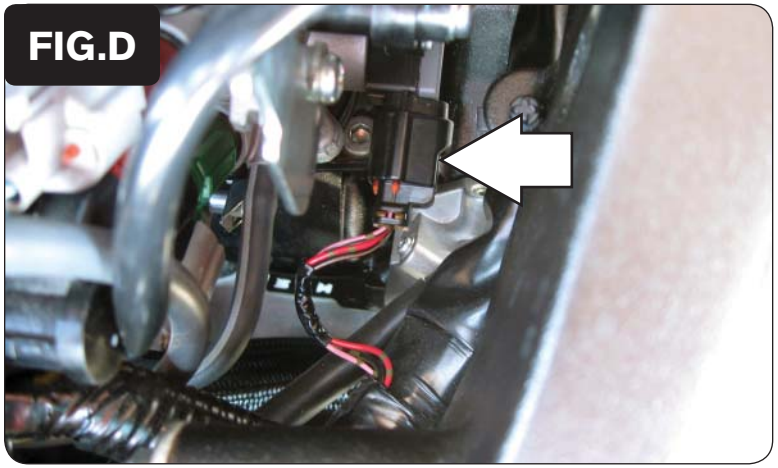
6 Unplug the stock wiring harness from each of the lower injectors as shown in Figure B.

The lower injectors are much harder to access than the upper injectors. Using a set of needle nose pliers will aid in removing the connectors.

Note: The #4 cylinder connector is not visible in Figure B.

7 Attach the connectors from the PCFC to the stock lower injectors and stock wiring harness as shown in Figure C.

FIG.D

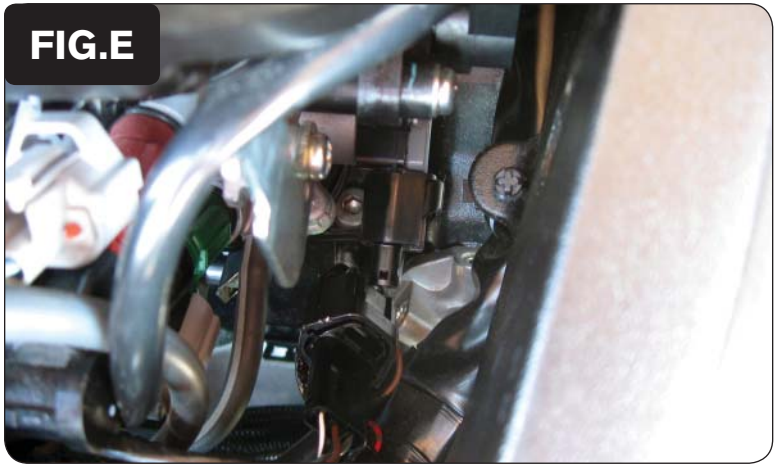


8 Locate the throttle position sensor (TPS) connector on the far right hand side of the throttle bodies as shown in Figure D.

The TPS connector has pink/black - red - black/brown colored wires.

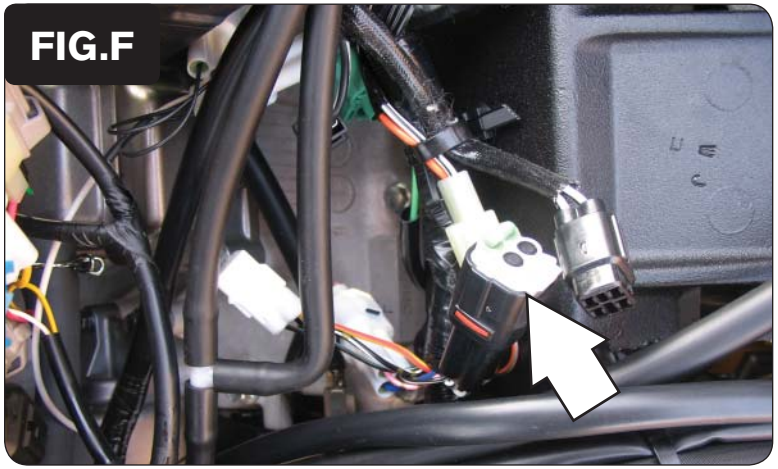
9 Unplug the TPS connector.

FIG.E



10 Attach the 3-pin connectors from the PCFC to the stock TPS and wiring harness as shown in Figure E.

FIG.F



11 Locate where the stock O2 sensor connects to the main wiring harness.

The O2 connector is a black 4-pin connector located under the fuel tank as shown in Figure F.

12 Unplug the O2 sensor connector.

13 Attach the O2 optimizer into the main wiring harness.

Note: The stock O2 sensor will not be connected to anything at this time.

FIG.G

14 Using the supplied velcro, secure the PCFC in the tail section. The PCFC can be installed as shown in Figure G or to the inner fender.

Make sure to clean both surfaces with the alcohol swab before attaching.

15 Lower the fuel tank back into position. Verify none of the wires get pinched or damaged.