

POWER COMMANDER FC

2013 BMW R1200GS

Installation Instructions



Parts List

- 1 Power Commander FC
- 1 USB Cable
- 1 Installation Guide
- 2 Dynojet Decals
- 2 Velcro
- 1 Alcohol swab
- 1 Posi-tap

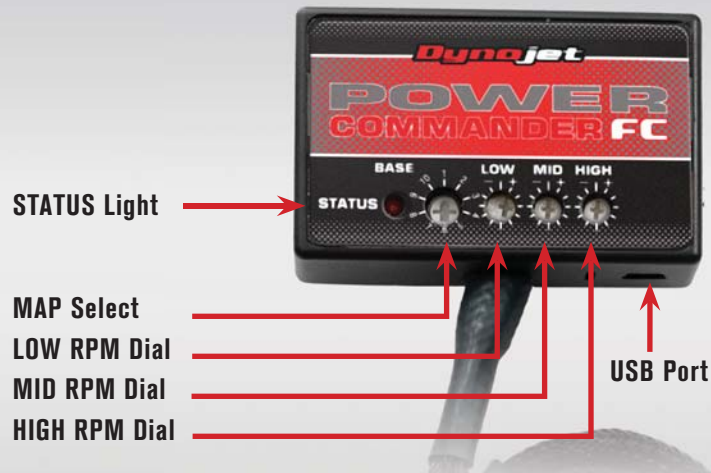
**THE IGNITION MUST BE TURNED
OFF BEFORE INSTALLATION!**

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

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Position	Note
Position 1	2013 BMW R1200GS Stock exhaust Stock 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.

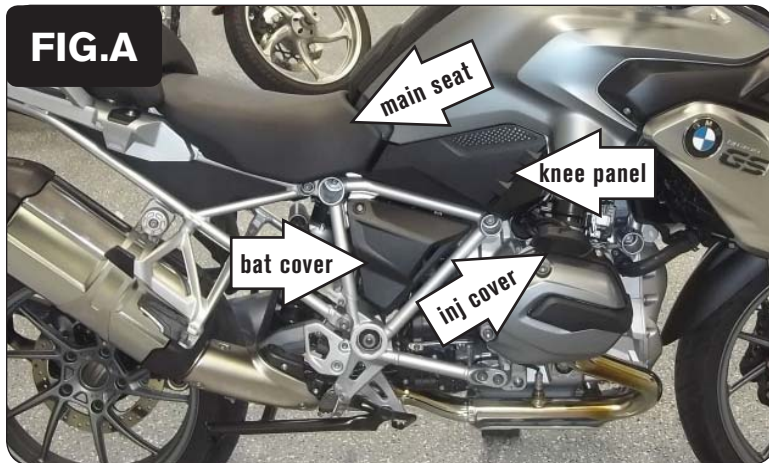
- 1 Using your web browser, navigate to www.powercommander.com.
- 2 Click Enter Race Ready.
- 3 Click Downloads.
- 4 Click Access Downloads for Power Commander FC.
- 5 Click the PCFC software Download button.
- 6 Open the zip folder.
- 7 Double-click the install file and follow the on-screen instructions 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.



- 1 Remove the main seat.
- 2 Remove the fuel injector covers and the knee panels from both sides of the bike as shown in Figure A.
- 3 Remove the battery cover on the right side of the bike as shown in Figure A.

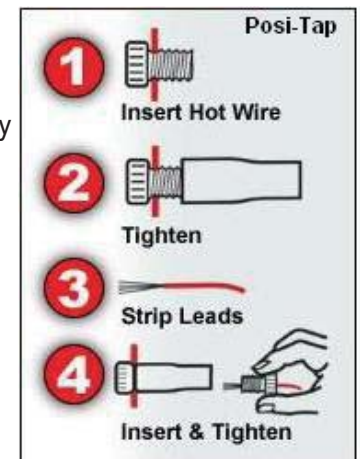
- 4 Using the supplied velcro, secure the PCFC to the top of the ECM under the seat with the wiring harness facing forward as shown in Figure F.

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

- 5 Route the branch of the PCFC wiring harness with the single grey wire and the pair of injector leads with orange colored wires along the left side frame rail towards the left cylinder head as shown in Figure B.

The harness can be routed under the fuel tank for a more discreet install. This would require that the fuel tank be loosened.

- 6 Temporarily disconnect the stock wiring harness from the throttle body servo on the left throttle body and pull the harness forward.
- 7 Using the supplied Posi-tap, attach the grey wire from the PCFC wiring harness to the stock blue wire of the throttle body servo.
- 8 Reconnect the stock wiring harness to the throttle body servo.

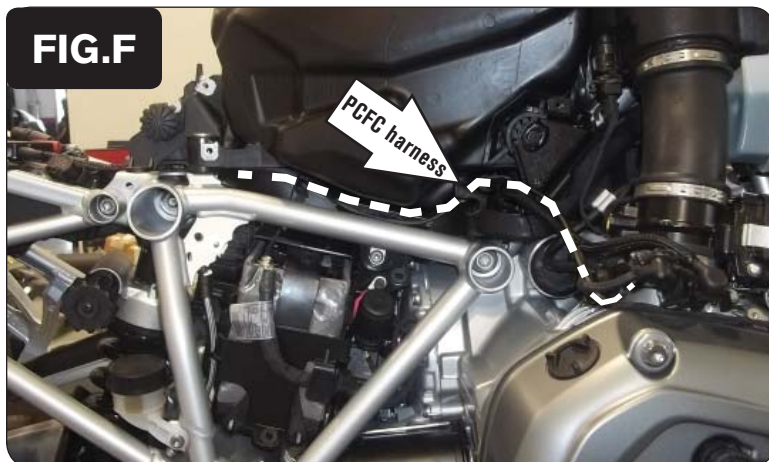




- 9 Unplug the stock wiring harness from the left fuel injector as shown in Figure D.



- 10 Attach the pair of PCFC injector leads with the orange colored wires to the left fuel injector and the stock wiring harness as shown in Figure E.
Store the extra pair of connectors under the throttle body servo.



- 11 Route the PCFC wiring harness branch with the 6mm ring lug and the pair of injector leads with yellow colored wires towards the right engine head following inside the right side frame rail as shown in Figure F.

The harness can be routed under the fuel tank for a more discreet install. This would require that the fuel tank be loosened.



- 12 Attach the ground wire with the ring lug from the PCFC to the negative side of the battery as shown in Figure G.

Note: Make sure the ground wire is secure.

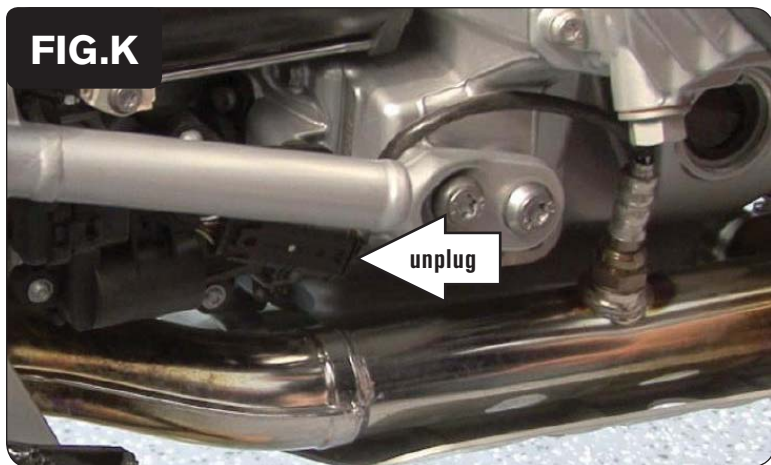


- 13 Unplug the stock wiring harness from the right fuel injector as shown in Figure H.



- 14 Attach the pair of PCFC injector leads with the yellow colored wires to the right fuel injector and the stock wiring harness as shown in Figure I.

Store the extra pair of connectors discreetly at the rear of the throttle body.



15 Trace the wiring harness from the stock left O2 sensor to its connector near the side-stand as shown in Figure J.

16 Unplug the stock left O2 sensor.

The stock O2 sensor will no longer be used. It can be removed from the exhaust, if desired and if you have a way to plug the hole.

17 Trace the wiring harness from the stock right O2 sensor to its connector near the rear brake lever as shown in Figure K.

18 Unplug the stock right O2 sensor.

The stock O2 sensor will no longer be used. It can be removed from the exhaust, if desired and if you have a way to plug the hole.

19 Make sure your wiring is free and clear of any hot or moving parts. Tie the wiring up where you may see fit.

20 Reinstall the body panels, injector covers, and the seat.