

POWER COMMANDER FC

2007-2010 Yamaha C3
2013-2014 Yamaha Zuma 50

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 |

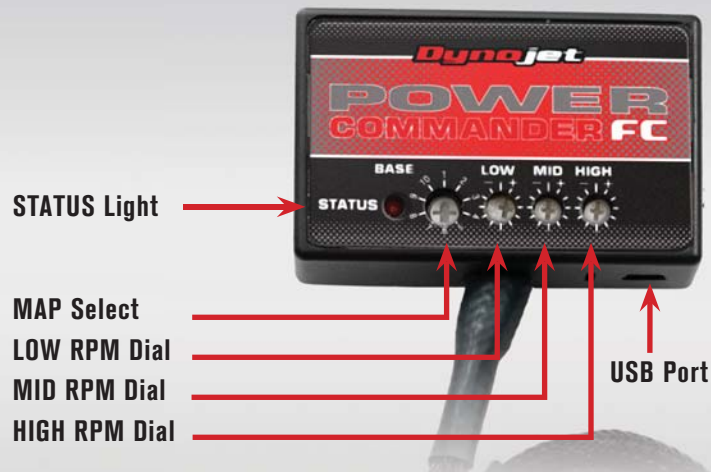
**THE IGNITION MUST BE TURNED
OFF BEFORE INSTALLATION!**

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

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



| Position | Note |
|------------|---|
| Position 1 | 2007-2010 Yamaha C3 Stock exhaust Stock air filter |
| Position 2 | 2013-2014 Yamaha Zuma 50 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.

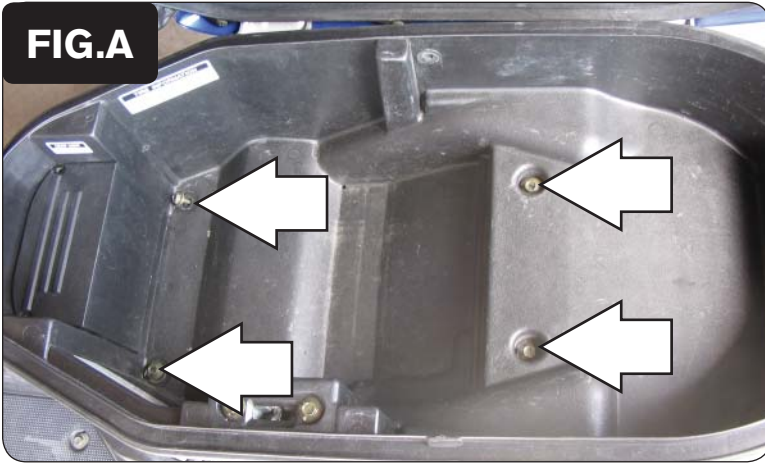
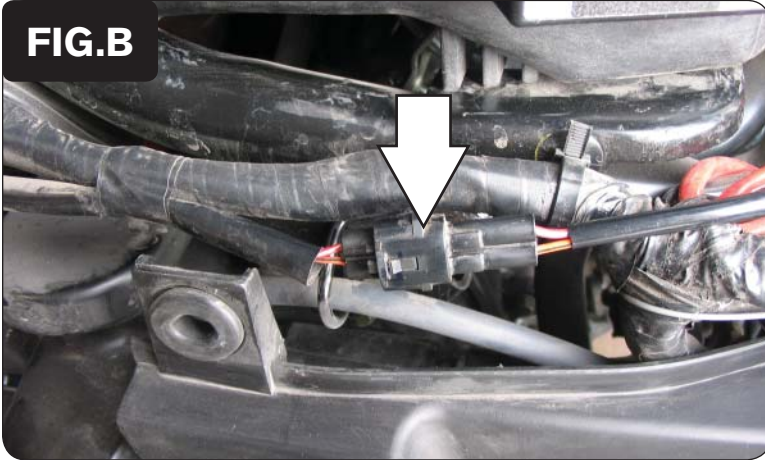
- 1 Using your web browser, navigate to www.powercommander.com.
- 2 Click Enter Race Ready.
- 3 Click Downloads.
- 4 Click Access Downloads for Power Commander FC.
- 5 Click the PCFC software Download button.
- 6 Open the zip folder.
- 7 Double-click the install file and follow the on-screen instructions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

FIG.A**FIG.B****FIG.C**

2007-2010 Yamaha C3 Installation

Use the following instructions (pages 3-4) for the 2007-2010 Yamaha C3 installation.

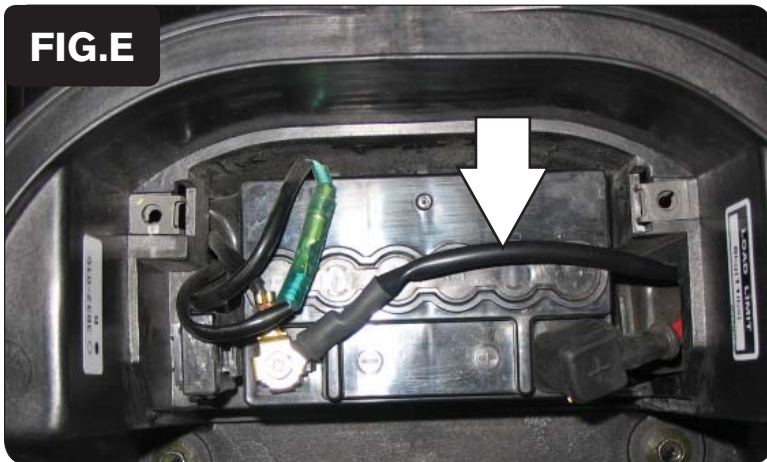
- 1 Lift the seat up.
- 2 Remove the bolts securing the plastic storage area to the frame and remove the storage bin.
- 3 Remove the left hand side body panel.
- 4 Unplug the black 2-pin injector connector as shown in Figure B.
- 5 Attach the connectors from the PCFC to the stock injector and wiring harness as shown in Figure C.

FIG.D

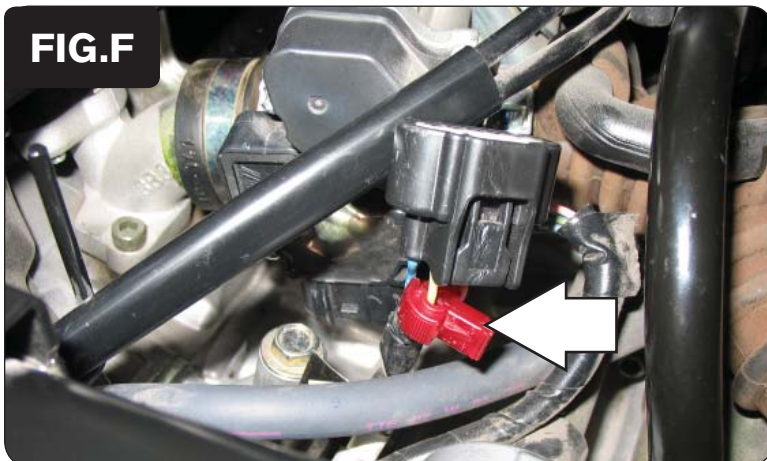
- 6 Using the supplied Velcro, secure the PCFC to the side panel as shown in Figure D.

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

- 7 Route the ground wire from the PCFC through the hole in the panel to where the battery is.

FIG.E

- 8 Attach the ground wire from the PCFC to the negative side of the battery as shown in Figure E.

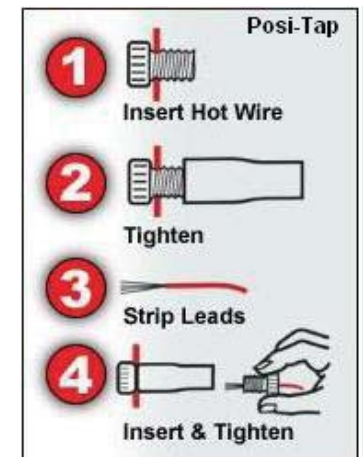
FIG.F

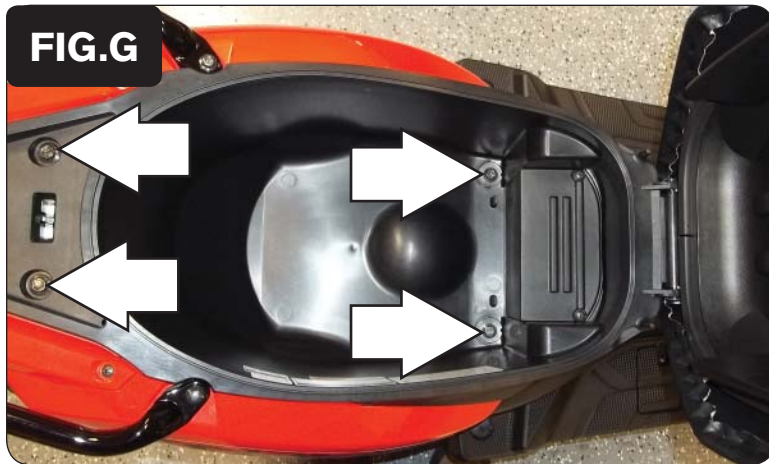
- 9 Locate the Throttle Position Sensor (TPS) on the left side of the throttle body.

The sensor connector can be removed for easier access.

- 10 Using the supplied posi-tap, attach the grey wire from the PCFC to the yellow wire of the stock wiring harness.

- 11 Reinstall the body panels.





2013-2014 Yamaha Zuma Installation

Use the following instructions (pages 5-7) for the 2013-2014 Yamaha Zuma installation.

- 1 Remove the small panel below the front of the seat.
- 2 Lift the seat up.
- 3 Remove the battery cover at the front of the storage compartment. Loosen the battery cables.
- 4 Remove the bolts securing the plastic storage compartment to the frame as shown in Figure G. Remove the storage compartment with the battery.
- 5 Using the supplied velcro, secure the PCFC module to the top of the air box as shown in Figure H.

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

- 6 Locate and unplug the blue 2-pin connector for the fuel injector near the right side upper frame rail as shown in Figure I.

FIG.J



- 7 Attach the white 2-pin connectors from the PCFC to the stock blue 2-pin connectors as shown in Figure J.

FIG.K



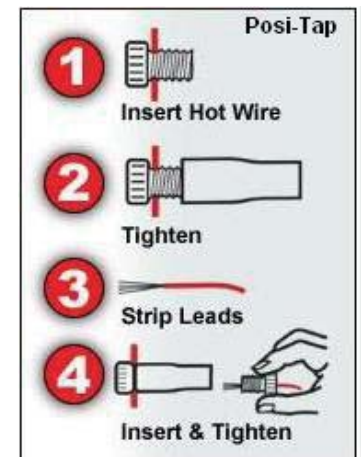
- 8 Locate and unplug the stock connector from the Throttle Position Sensor (TPS) as shown in Figure K.

This is a black 5-pin connector on the left side of the throttle body.

FIG.L



- 9 Using the supplied posi-tap, attach the grey wire from the PCFC to the yellow wire of the stock wiring harness as shown in Figure L.
- 10 Plug the stock TPS connector back on to the TPS.





- 11 Secure the PCFC ground wire with the small ring lug to the thermostat housing bolt as shown in Figure M.

The thermostat housing is found directly below the throttle body.

- 12 Reinstall the storage compartment.
- 13 Reconnect the battery cables.
- 14 Lower the seat.
- 15 Reinstall the small panel below the front of the seat.