POWER COMMANDER FC

2008-2014 Kawasaki KFX450R

Installation Instructions

Parts List

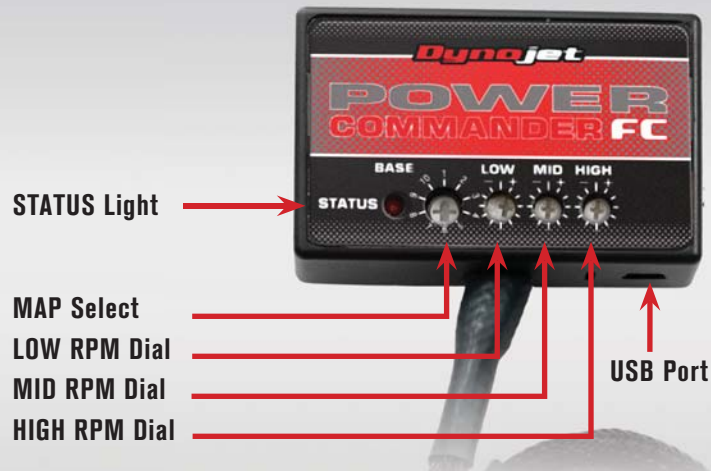|	
1	Power Commander FC
1	USB Cable
1	Installation Guide
2	Dynojet Decals
2	Velcro
1	Alcohol swab

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

STATUS Light

MAP Select
LOW RPM Dial
MID RPM Dial
HIGH RPM Dial

USB Port

Position	Note
Position 1	2008-2014 Kawasaki KFX450 Stock exhaust Stock air filter
Position 2	2008-2014 Kawasaki KFX450R Stock exhaust - baffle insert removed Stock air filter Air box lid removed

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

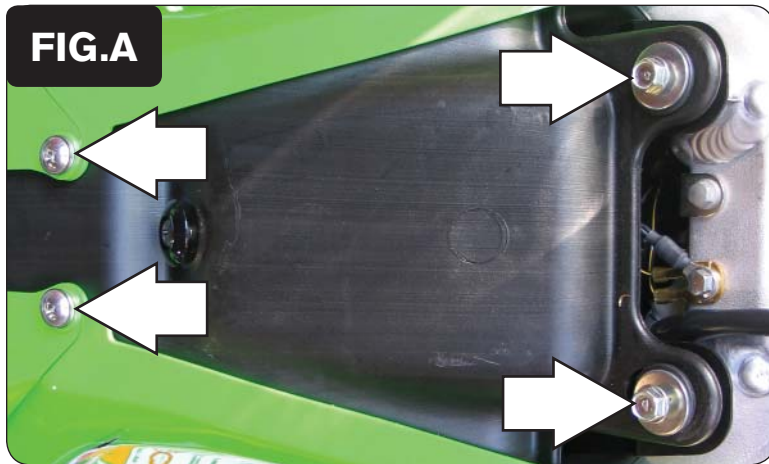Take your tuning to the next level with the PCFC Control Center software.

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.
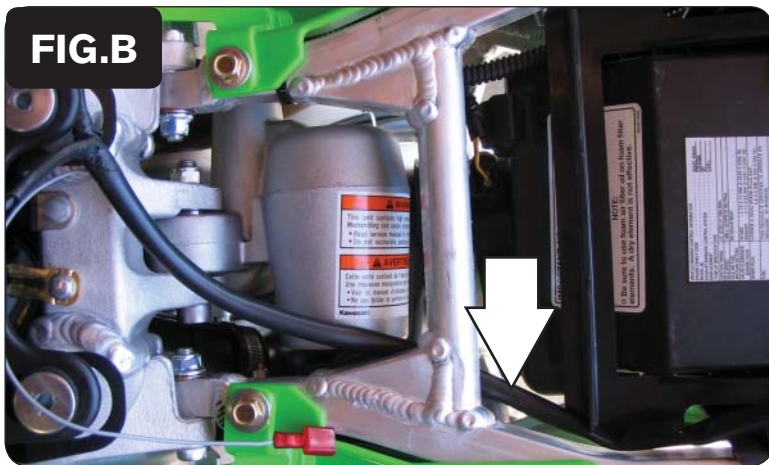
LOADING ADDITIONAL MAPS

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.
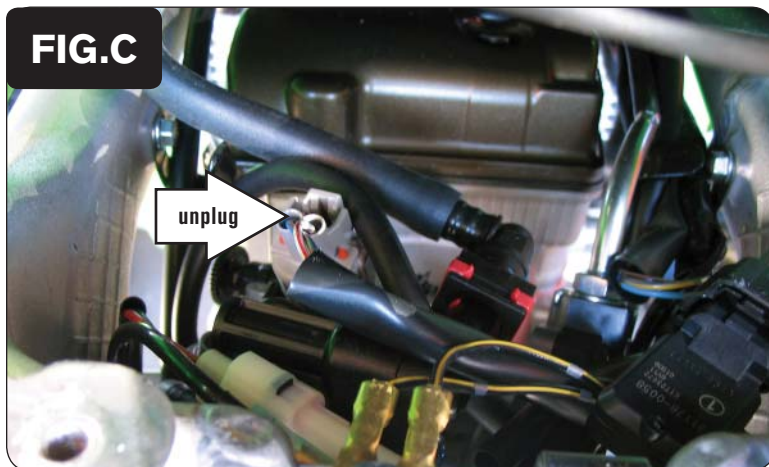
ALTERING MAPS USING SOFTWARE

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.
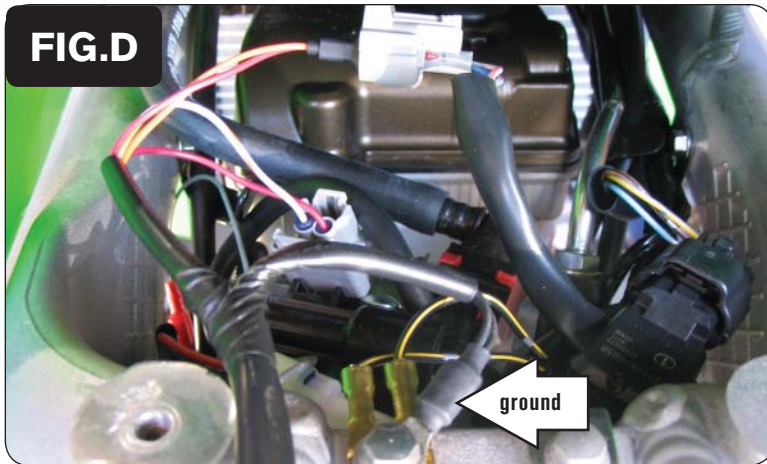
FIG.A

FIG.B

FIG.C

unplug

1 Remove the seat.

2 Remove the two screws securing the side covers to the fuel tank as shown in Figure A.

3 Remove the two bolts at the rear of the fuel tank as shown in Figure A.

   This allows the rear of the fuel tank to be raised up enough to install the PCFC.
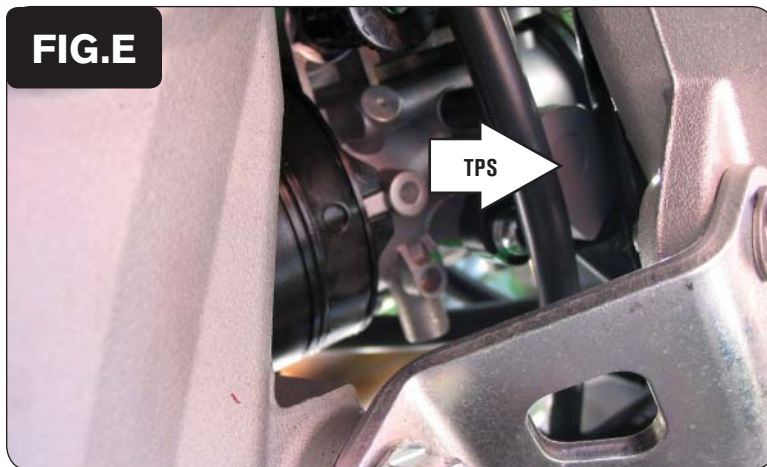
4 Lay the PCFC in the tail section.

5 Route the wiring harness from the PCFC towards the throttle body.

6 Route the harness underneath the cross member of the sub-frame as shown in Figure B.

7 Unplug the stock wiring harness from the injector as shown in Figure C.

   This connection is under the rear of the fuel tank.

FIG.D

ground

8   Attach the PCFC wiring harness to the injector and the stock wiring harness as shown in Figure D.

9   Remove the bolt securing the stock ground wire to the frame.

10   Attach the ground wire from the PCFC to this same location as shown in Figure D.

FIG.E

TPS

11   Locate the stock throttle position sensor (TPS) connector on the left hand side of the throttle body.

12   Unplug the stock wiring harness from the TPS as shown in Figure E.

13   Attach the 3-pin connectors from the PCFC to the stock TPS and wiring harness.

FIG.F

14   Remove the four bolts securing the tool kit in place as shown in Figure F.

FIG.G

15   Using the supplied velcro, secure the PCFC to the rear fender as shown in Figure G.

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

16   Reinstall the tool kit with the four bolts removed earlier.

17   Lower the fuel tank back into position.

18   Reinstall the two bolts and screws removed earlier.

19   Reinstall the seat.