

POWER COMMANDER FC

Installation Guide for: FC22040E

Model Coverage:

2011-2013 Yamaha FZ8/Fazer

PARTS LIST

- | | |
|----------------------|-----------------|
| 1 POWER COMMANDER FC | 2 DYNOJET DECAL |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 VELCRO | |

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IFC22040E.02





POSITION	NOTE
Position 1	2011-2013 Yamaha FZ8 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 +/- 15% fuel adjustment on top of what fuel changes are done in the base map. With the dial facing straight up, there is no additional fuel change.

For example, if your vehicle revs to 9000 RPM:

- The low RPM dial will adjust 0-3000 RPM
- The mid RPM dial will adjust 3001-6000 RPM
- The high RPM dial will adjust 6001-9000 RPM

USING POWER CORE C3 SOFTWARE

Take your tuning to the next level with the C3 Control Center software.

- 1 Using your web browser, navigate to www.dynojet.com.
- 2 Click Support>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.

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.



FIG A: REMOVE COVER

- 1 Remove the seat.
- 2 Remove the fuel tank cover. Prop the front of the fuel tank up.



FIG B: SECURE PCFC

- 3 Using the supplied velcro, secure the PCFC in the tail section as shown in Figure B.
Make sure to clean both surfaces with the alcohol swab before attaching.

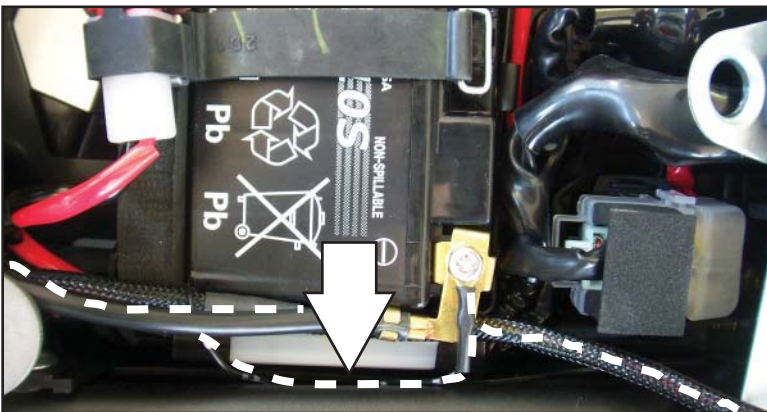


FIG C: ATTACH GROUND WIRE

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

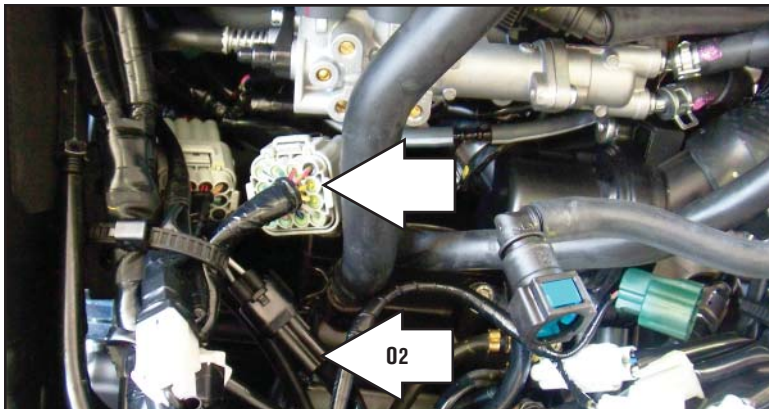


FIG D: UNPLUG STOCK HARNESS

- 5 Unplug the 16-pin grey connector under the fuel tank as shown in Figure D.
- 6 Unplug the 4-pin black connector for the O2 sensor.

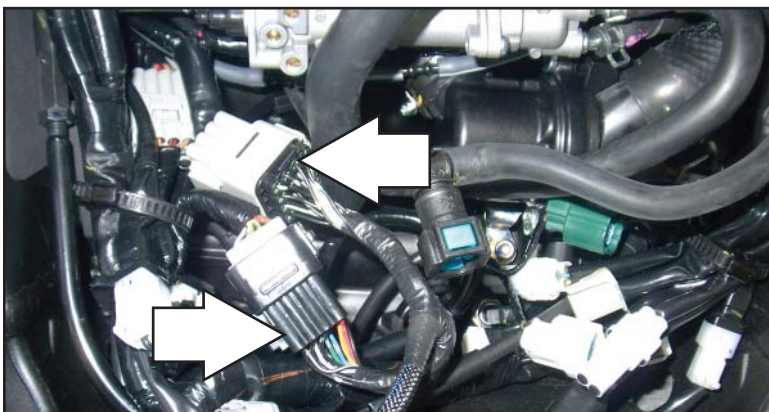


FIG E: ATTACH PCFC CONNECTORS

- 7 Attach the connectors from the PCFC to the stock wiring harness and throttle body connectors as shown in Figure E.

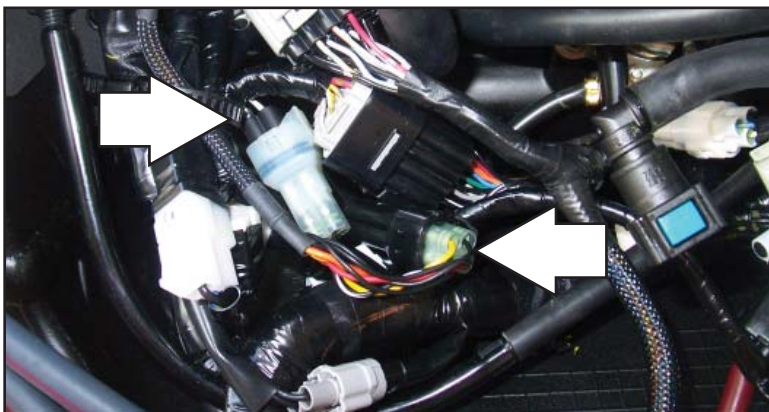


FIG F: ATTACH PCFC CONNECTORS

- 8 Attach the O2 optimizer connectors from the PCFC to the stock wiring harness and stock O2 sensor as shown in Figure F.
- 9 Bolt the fuel tank back into place.
- 10 Replace the fuel tank cover.
- 11 Replace the seat.

1000	0	0	0	0	0	0	0	0	0	0
1250	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0
1750	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0
3250	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0
3750	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0
4250	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0
4750	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0
5250	0	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0	0
5750	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0
6250	0	0	0	0	0	0	0	0	0	0
6500	0	0	0	0	0	0	0	0	0	0
6750	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0

FIG G: CLOSED LOOP AREA

The PCFC for this model controls the stock closed loop area. This area is represented by the highlighted cells shown in Figure G. The PCFC is designed to achieve a target AFR of 13.8:1. To use this PCFC you must retain your stock O2 sensor.

It is not recommended to alter the values in the highlighted area unless instructed to do so by a PCFC technician.

The closed loop range can be adjusted from the PCFC software by going to Device Tools -> Closed Loop Adjustment. In this window you can use the slider bars to enrichen/enlean the closed loop range. We do not recommend an adjustment beyond +/- 20.

Reset the Throttle Position in the PCFC Software

It is recommended to reset your throttle position in the PCFC Software.

- 1 Connect the USB cable to your computer and to the PCFC.
- 2 Open the PCFC software
- 3 Select Device Tools >Calibrate Throttle.
- 4 Turn the ignition of the bike to the ON position
- 5 Click Reset in the software.
- 6 Give the bike full throttle and then release.
- 7 Click OK. This will reset the TPS.

PUSH THE LIMIT

2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - DYNOJET.COM

© 2011-2022 DYNOJET RESEARCH ALL RIGHTS RESERVED