

# POWER COMMANDER FC

2007-2014 Honda SH300i

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

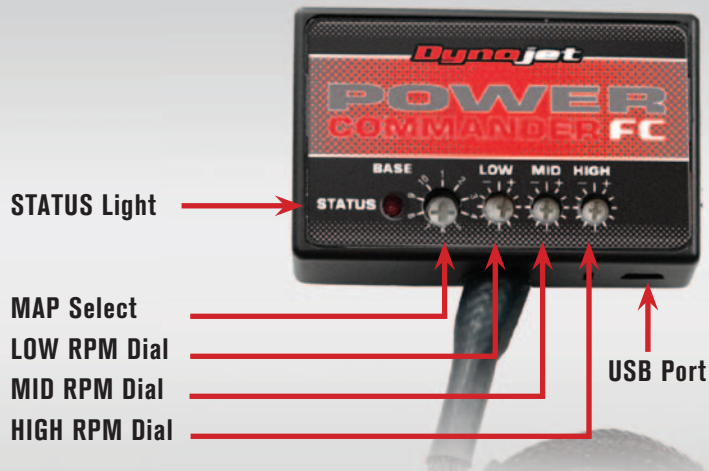
**THE IGNITION MUST BE TURNED  
OFF BEFORE INSTALLATION!**

YOU CAN ALSO DOWNLOAD THE PCFC  
CONTROL CENTER SOFTWARE AND  
LATEST MAPS FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

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Position	Note
Position 1	2008-2014 Honda SH300i Stock exhaust Stock 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 0-3500 RPM
- The mid RPM dial will adjust 3501-7000 RPM
- The high RPM dial will adjust 7001-10500 RPM

## USING PCFC CONTROL CENTER

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

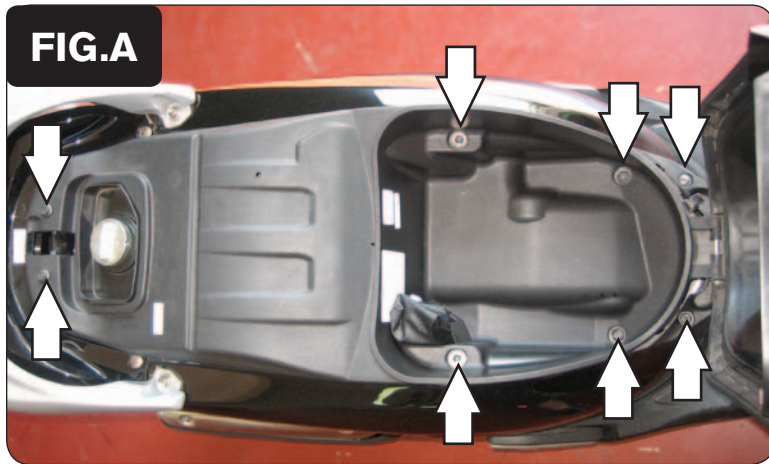
- 1 Using your web browser, navigate to [www.powercommander.com](http://www.powercommander.com).
- 2 Click Enter Race Ready.
- 3 Click Downloads.
- 4 Click Access Downloads for Power Commander FC.
- 5 Click the PCFC software Download button.
- 6 Open the zip folder.
- 7 Double-click the install file 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

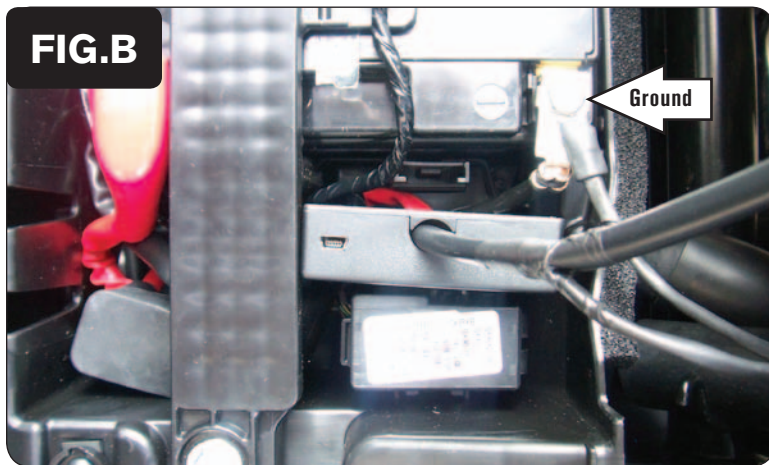
- 1 Connect the USB cable from the computer to the PCFC. Verify the cable is fully seated in the PCFC.
- 2 Run the Control Center software by double-clicking the program icon installed on your desktop or on your start menu.
- 3 Click Open Map File and select a map file.
- 4 Click Send Map. You can send the map to any of the ten map positions.

## ALTERING MAPS USING SOFTWARE

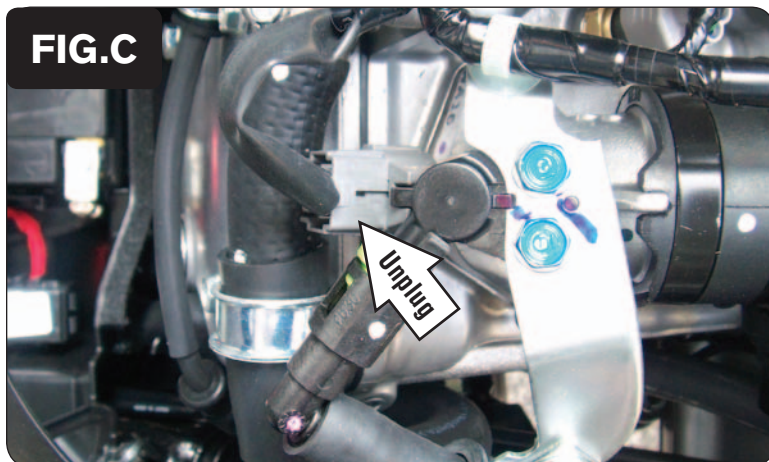
The values in the map represent a percentage of fuel change over stock. A value of 10 in the map indicates at that throttle position and RPM range the vehicle will be 10% richer than stock. If the value is -10, then it would be 10% leaner than stock. You have the ability to fine tune your fuel curve by altering these values. The Control Center software allows a value of +250 to -100 in each cell.



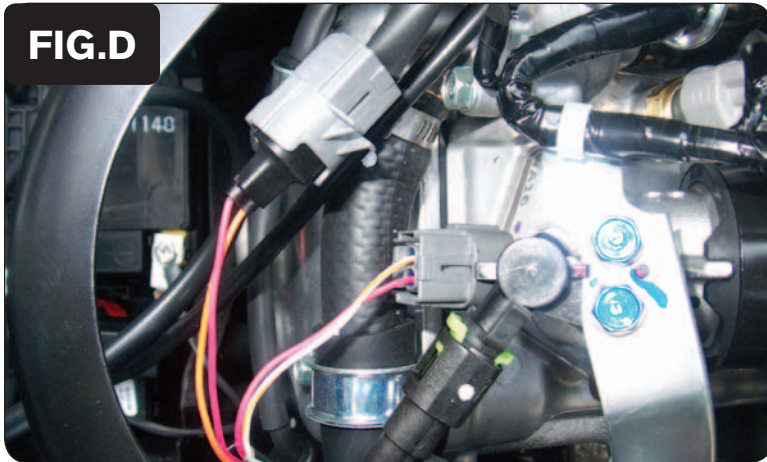
- 1 Lift up the seat.
- 2 Remove the eight bolts as shown in Figure A.
- 3 Remove the plastic trunk to access the engine.
- 4 Remove the battery access panel.



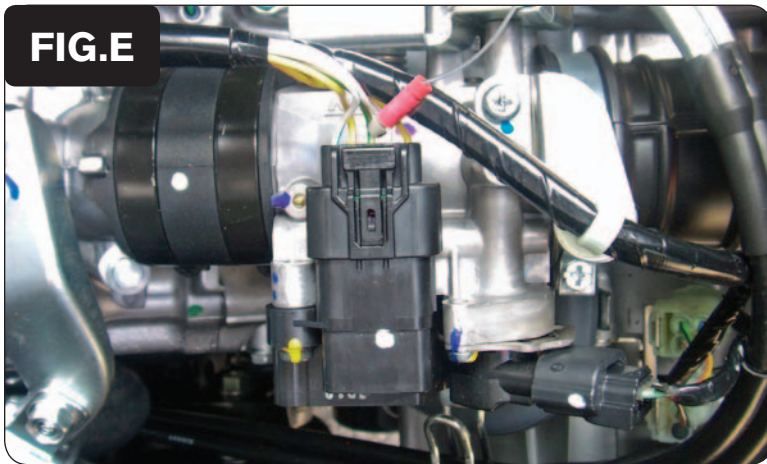
- 5 Using the supplied velcro, secure the PCFC next to the opening in the battery. Make sure to clean both surfaces with the alcohol swab before attaching.
- 6 Attach the ground wire from the PCFC to the negative side of the battery as shown in Figure B.



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



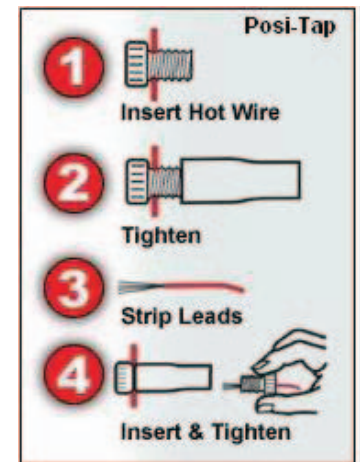
- 8 Attach the PCFC harness to the stock wiring harness and the fuel injector as shown in Figure D.



- 9 Locate the Throttle Position Sensor (TPS) connector.

The TPS connector is located on the throttle body as shown in Figure E.

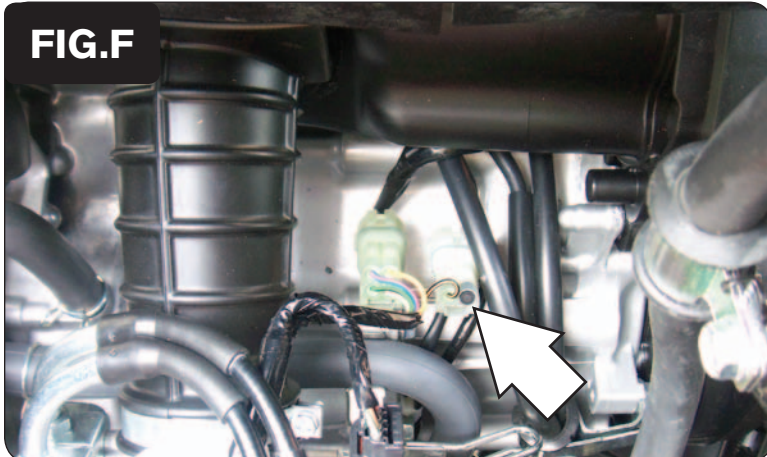
- 10 Using the supplied posi-tap, connect the grey wire from the PCFC to the white/red wire.



- 11 Locate the stock O2 sensor connector.

The stock O2 sensor connector is located near the rear of the engine as shown in Figure F. The connector is a clear 2-pin connector with a single BLK/YEL wire.

- 12 Unplug this connector from the main wiring harness.  
 13 Plug the PCFC wiring harness in-line of the stock O2 sensor and the stock wiring harness.  
 14 Reinstall the battery access panel and the storage trunk.



	0	2	5	10	15	20	40	60	80	100
500	0	0	0	0	0	0	0	0	0	0
750	0	0	0	0	0	0	0	0	0	0
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
7250	0	0	0	0	0	0	0	0	0	0
7500	0	0	0	0	0	0	0	0	0	0
7750	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0
8250	0	0	0	0	0	0	0	0	0	0
8500	0	0	0	0	0	0	0	0	0	0
8750	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0

**FIG.G**

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 13.6:1. 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/lean the closed loop range. We do not recommend an adjustment beyond +/- 20.