

[POWER COMMANDER V]

2002-2009 Honda VFR800 VTEC

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro strips
- 1 Alcohol swab
- 2 O2 Optimizers

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

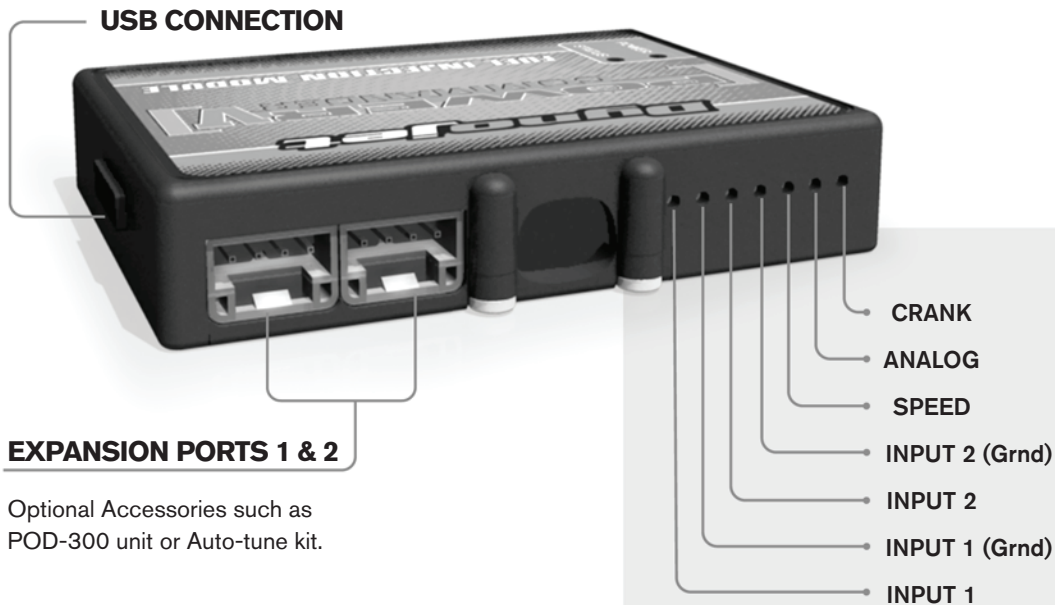
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

POWER COMMANDER V INPUT ACCESSORY GUIDE



Wire connections:

To input wires into the PCV first remove the rubber plug on the backside of the unit and loosen the screw for the corresponding input. Using a 22-24 gauge wire strip about 10mm from its end. Push the wire into the hole of the PCV until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

NOTE: If you tin the wires with solder it will make inserting them easier.



ACCESSORY INPUTS

Map -

(Input 1 or 2) The PCV has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important. When using the Autotune kit one position will hold a base map and the other position will let you activate the learning mode. When the switch is "CLOSED" Autotune will be activated. (Set to Switch Input #1 by default.)

Shifter-

(Input 1 or 2) These inputs are for use with the Dynojet quickshifter. Insert the wires from the Dynojet quickshifter into the SHIFTER inputs. The polarity of the wires is not important. (Set to Switch Input #2 by default.)

Speed-

If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quickshifter.

Analog-

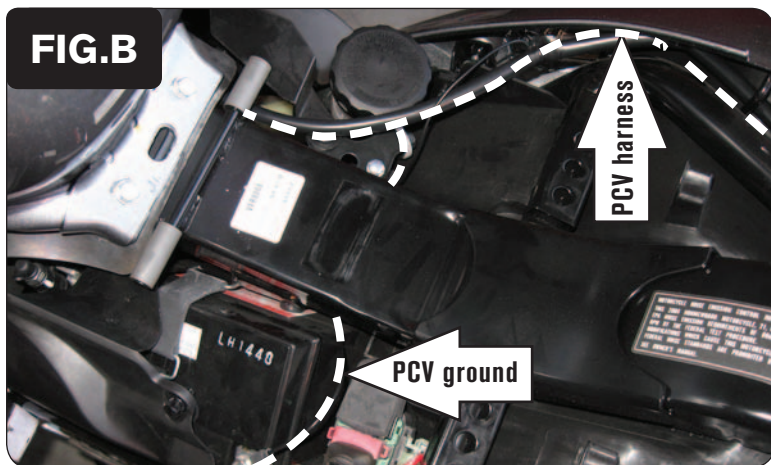
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

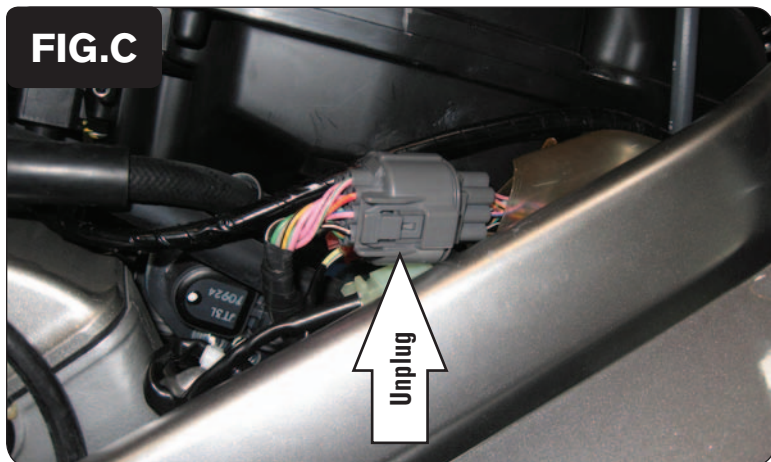
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



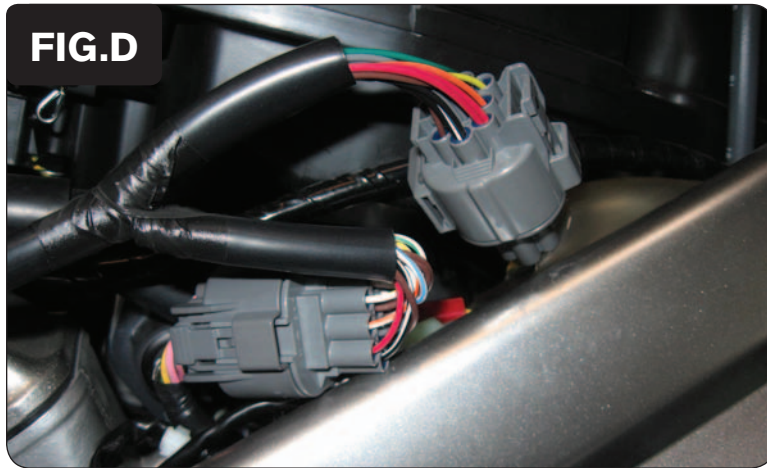
- 1 Remove the seat
- 2 Remove the 2 bolts at the front of the fuel tank and prop the fuel tank up.
- 3 Install the PCV in the tail section using the supplied velcro (Fig. A).
Make sure to clean both surfaces with the alcohol swab before attaching.



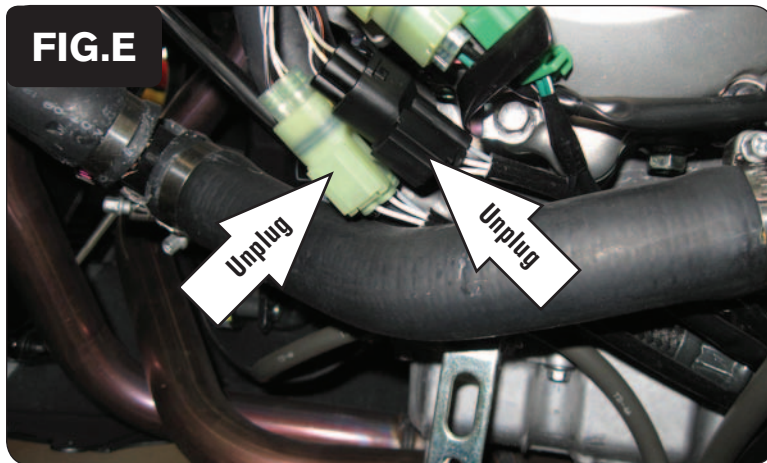
- 4 Route the PCV harness down the right side of the bike.
- 5 Route the ground wire of the PCV under the frame to the left side of the bike and attach to the negative side of the battery (Fig. B).



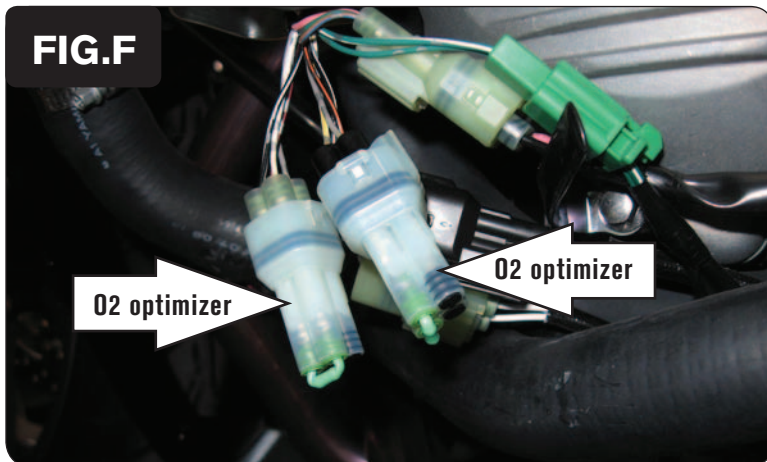
- 6 Locate the throttle body connector on the right side of the air box (Fig. C).
Unplug this connection.



- 7 Plug the PCV wiring harness in-line of the stock wiring harness and injectors (Fig. D).



- 8 Remove the left hand side fairing.
- 9 Located the stock O2 sensor connections (Fig. E). Unplug both the front and rear exhaust O2 sensors.



- 10 Plug the Dynojet O2 Optimizers into the stock wiring harness (Fig. F).

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

- 11 Reinstall the fairing, fuel tank, and seat.

Optional inputs:

Speed input - PINK wire of 3 pin clear connector located behind L.H. fairing
PINK-GREEN-BLACK

Temperature input - YELLOW/BLUE wire of 6 pin clear connector located behind L.H fairing.

12v source for Auto tune - BROWN wire of tail light connector