

[POWER COMMANDER V]

2001-2006 Honda CBR600 F4i

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

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

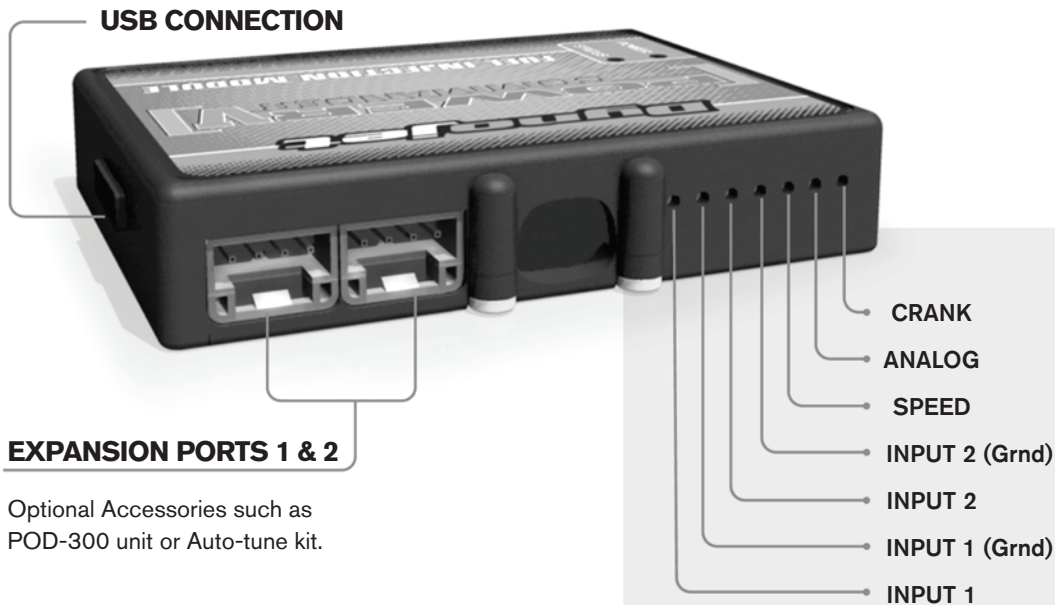
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

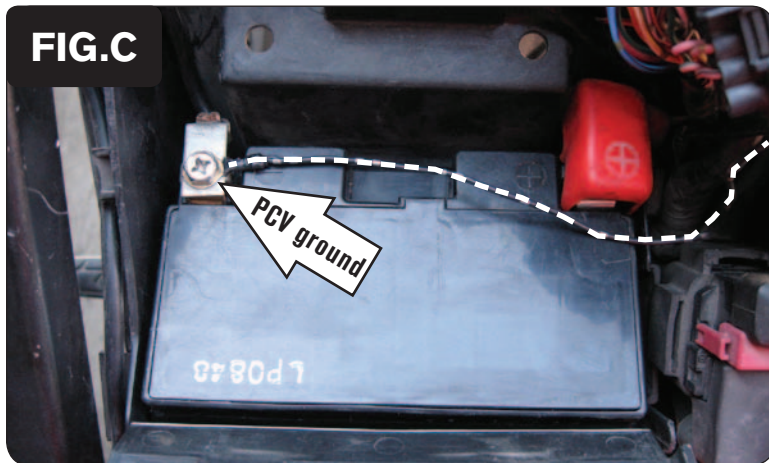
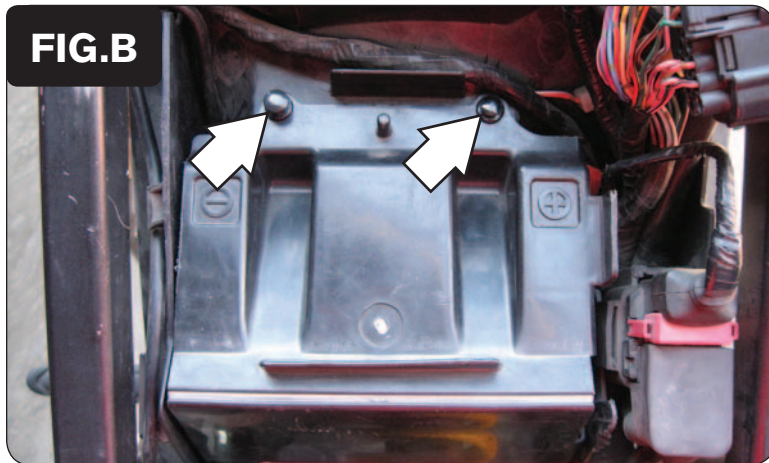
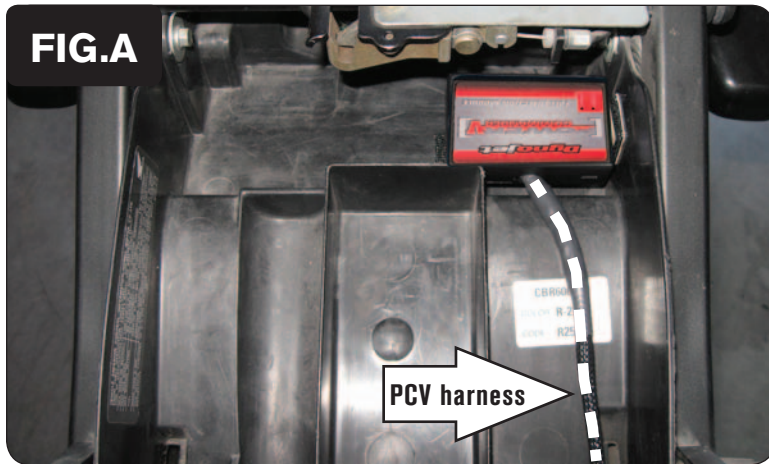
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

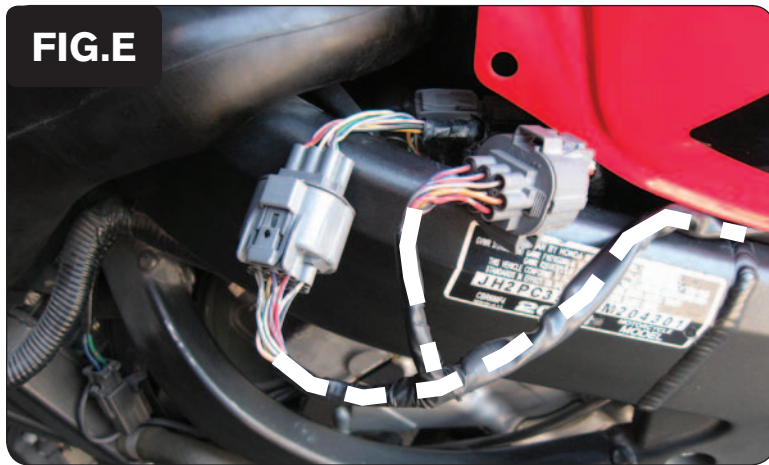
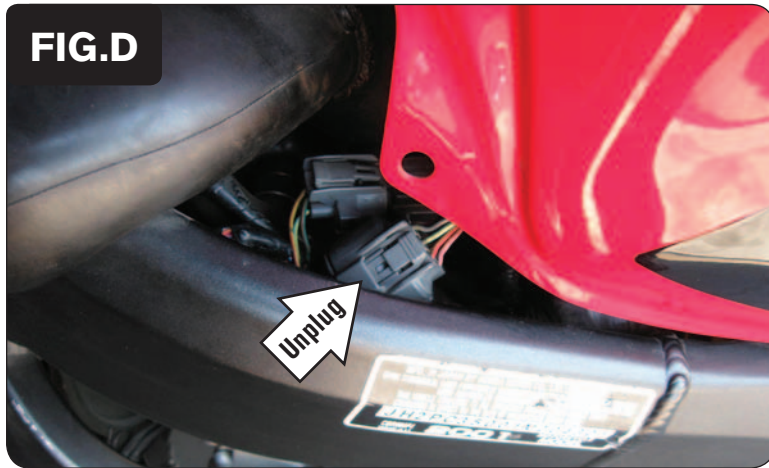
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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 main seat and the passenger seat.
- 2 Remove the BLACK left-hand side inner fairing panel.
*This panel surrounds the gauges down to the fuel tank.
It is held in place by two bolts.*
- 3 Prop the front of the fuel tank up.
- 4 Using the supplied Velcro, secure the PCV module in the tail section as far back as possible (Fig. A).
Clean the surface with the supplied alcohol swab prior to applying the Velcro.
- 5 Route the PCV wiring harness forward towards the engine along the inside of the frame on the left-hand side of the bike.
- 6 Lift the ECU out of place.
- 7 Remove the 2 pins securing the battery cover and remove the battery cover itself (Fig. B).
- 8 Secure the PCV ground wire with the small ring lug to the negative (-) terminal of the bike's battery (Fig. C).
- 9 Reinstall the battery cover and the ECU.



- 10 Continue routing the harness forward along the inside of the left frame spar to the throttle body sub-harness connector at the front of the fuel tank.
- 11 Locate and unplug the stock throttle body sub-harness connector (Fig. D).
This is a GREY 10-pin connector. It may be located under a rubber flap.
There is another identical connector on the bike located under the fuel tank near the rear shock. DO NOT plug the PCV harness into it.

- 12 Plug the PCV wiring harness in-line of the stock throttle body sub-harness connectors (Fig. E).
- 13 Store the connectors under the tank. Bolt the front of the fuel tank back down.
- 14 Reinstall the panel and seats.

Optional Inputs:

Speed - PINK/GREEN wire on the GREY ECU connector (pin #6)

Engine Temp - GREEN/BLUE wire on the thermostat housing at the rear of the engine

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