

[POWER COMMANDER V]

2013 Honda CB1100

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
- 1 O2 Optimizer

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

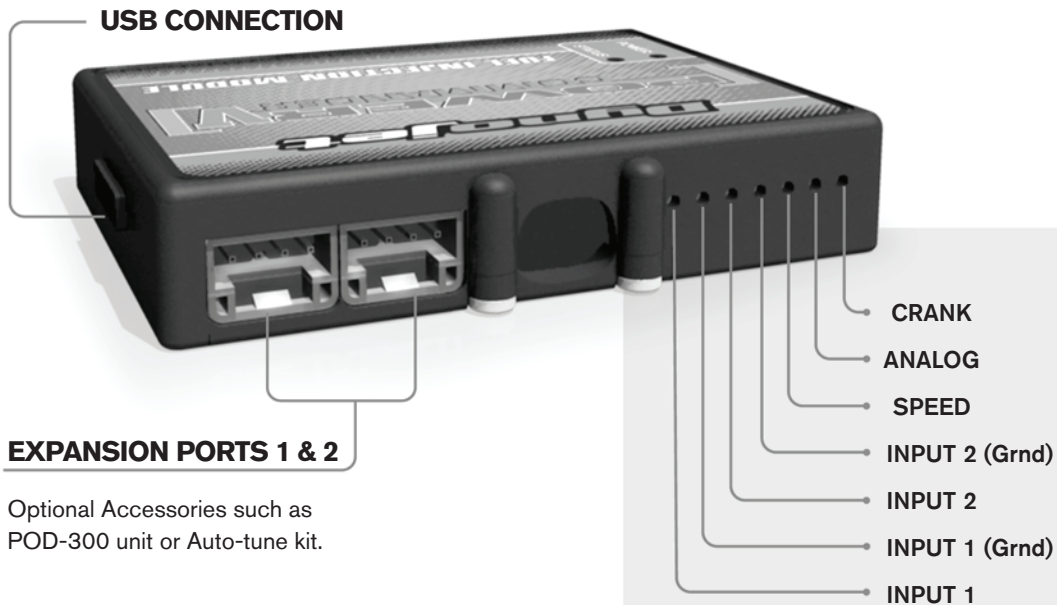
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

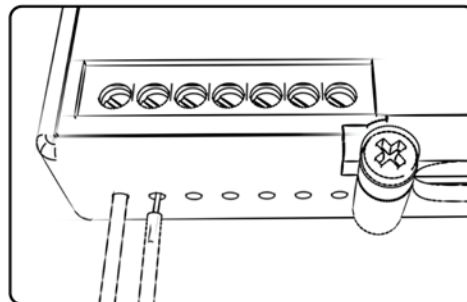
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

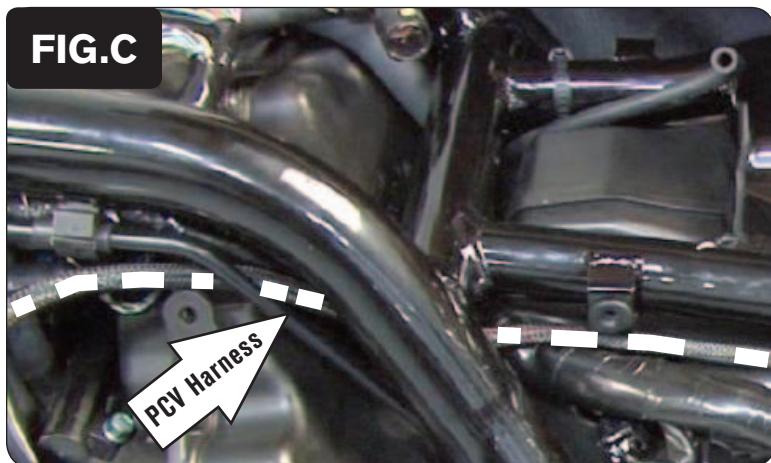
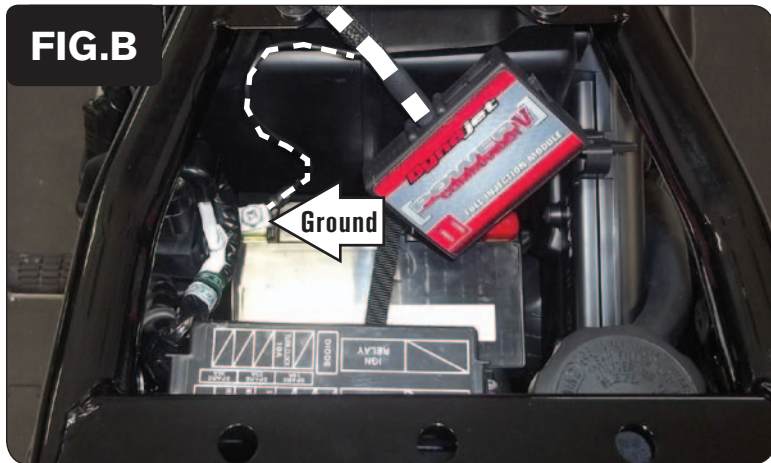
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

Analog-

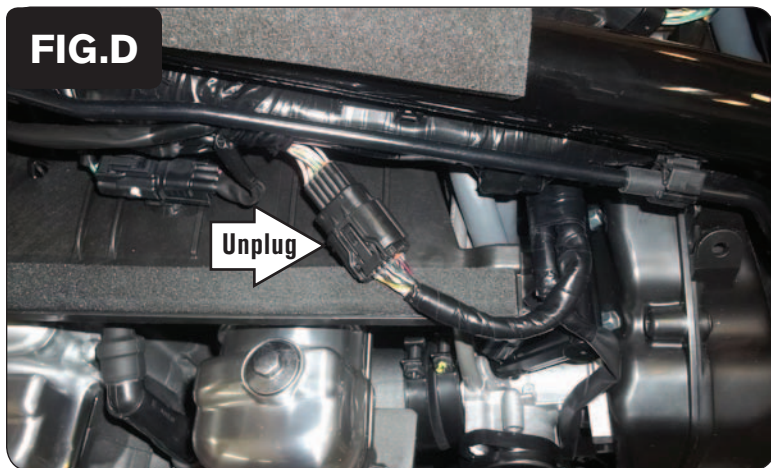
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

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 and the side panels directly below the seat on both sides.
- 2 Remove the fuel tank, and the plastic panel on the left side of the airbox (Fig. A).
- 3 Remove the compartment below the seat to access the battery.
- 4 Secure the ground wire of the PCV with the 6mm ring lug to the negative terminal of the bike's battery (Fig. B).
- 5 Route the PCV wiring harness forward towards the engine following alongside the stock wiring harness beneath the left side frame rail (Fig. C).

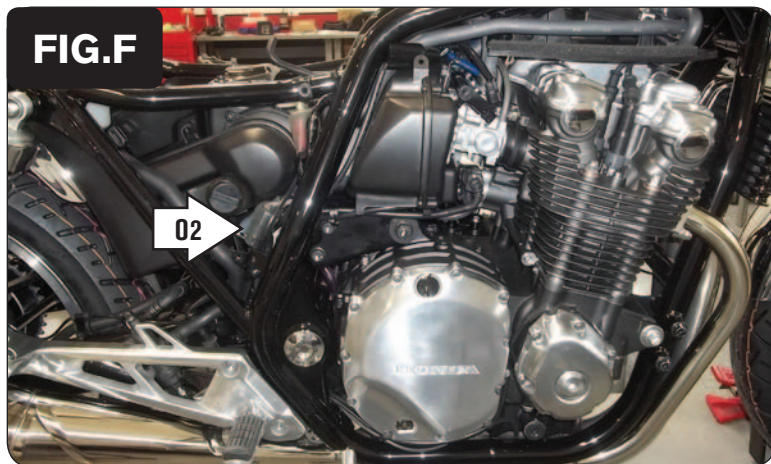


- 6 Locate and unplug the stock sub-harness connector for the bike's Fuel Injectors (Fig. D).

This is a BLACK 10-pin connector located just beneath the left side frame rail above the engine.



- 7 Plug the PCV connectors in-line of the stock wiring harness (Fig. E).

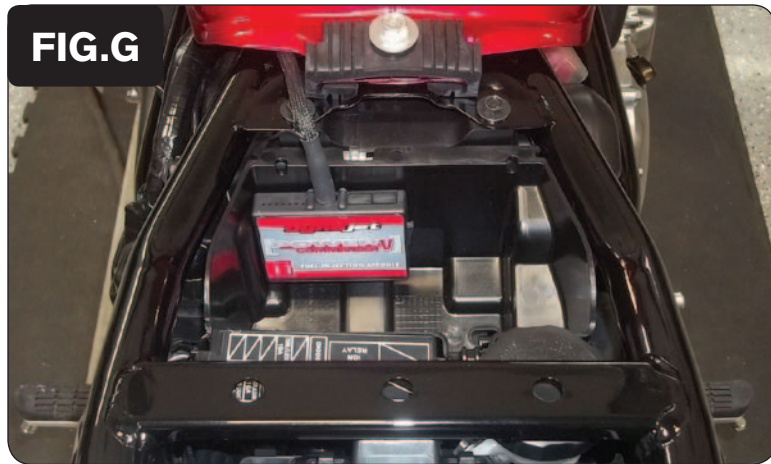


- 8 Locate and unplug the stock connector for the bike's O2 sensor.

This is a BLACK 4-pin connector located inside the bundle shown in Figure F.

- 9 Plug the supplied O2 Optimizer into the bike's wiring harness in place of the stock O2 sensor.

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



- 10 Reinstall the compartment above the battery.
- 11 Use the supplied Velcro to secure the PCV module inside of this compartment (Fig. G).
Clean the surface with the supplied alcohol swab prior to applying the Velcro.
- 12 Reinstall the fuel tank, the bodywork, and the seat.

To see a video of this installation, visit our channel (DynojetResearch) on YouTube.