

# [POWER COMMANDER V]

**2008-2010 Honda CBR125R**

**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
- 1 Posi-tap

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

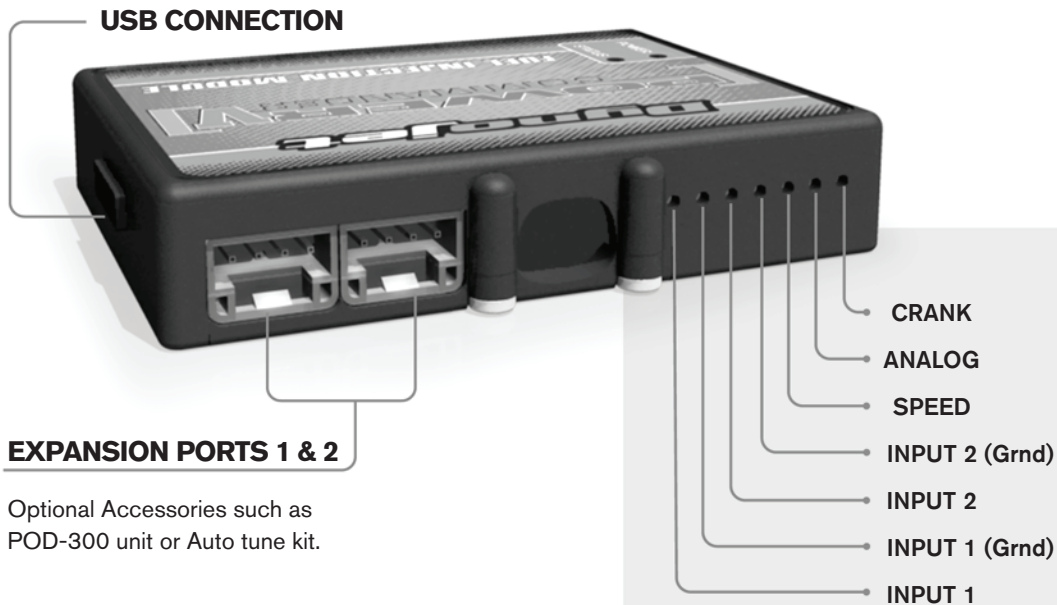
THE LATEST POWER COMMANDER  
SOFTWARE AND MAP FILES CAN BE  
DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION**

**Dynojet**

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 [www.powercommander.com](http://www.powercommander.com)

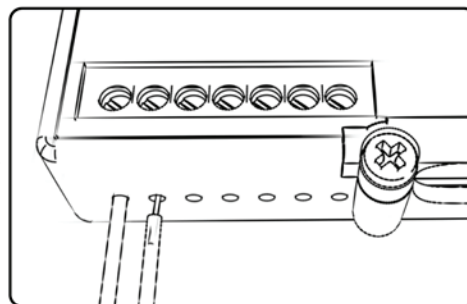
# POWER COMMANDER V INPUT ACCESSORY GUIDE



## 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-

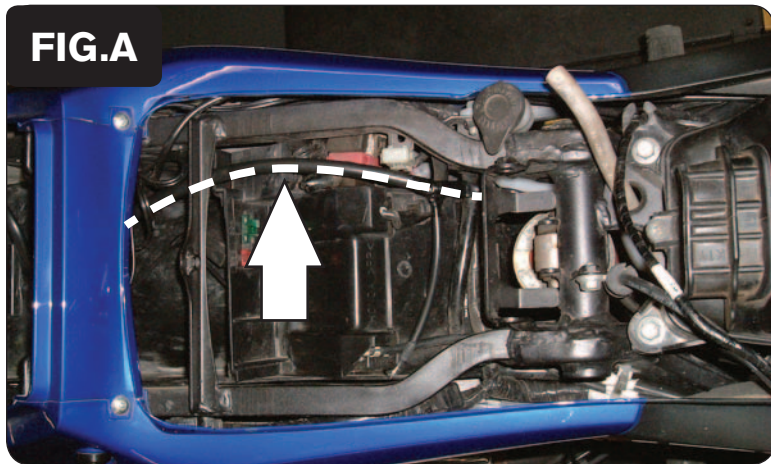
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

### Analog-

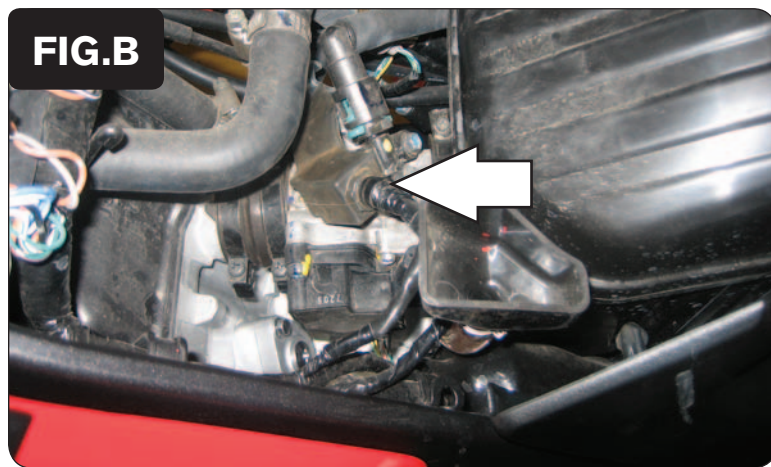
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

### 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.



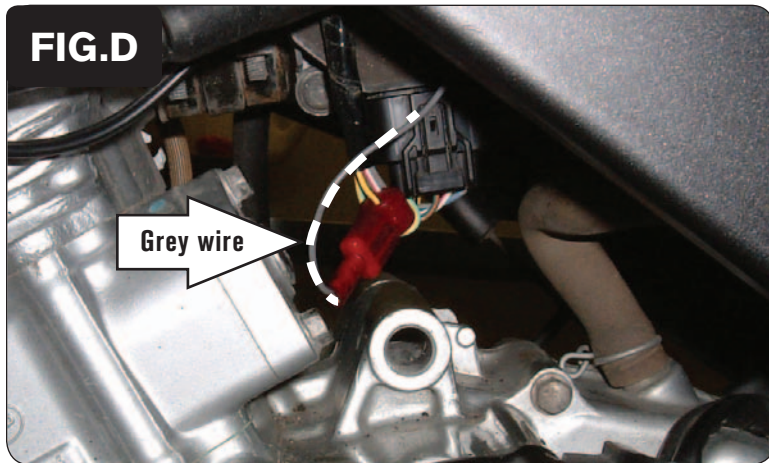
- 1 Remove both seats.
- 2 Prop the front of the fuel tank up.
- 3 Lay the PCV in the tail section and route the cable along the frame (Fig. A).



- 4 Disconnect the stock connector from the bikes injector, this connector is covered by a rubber boot (Fig B).



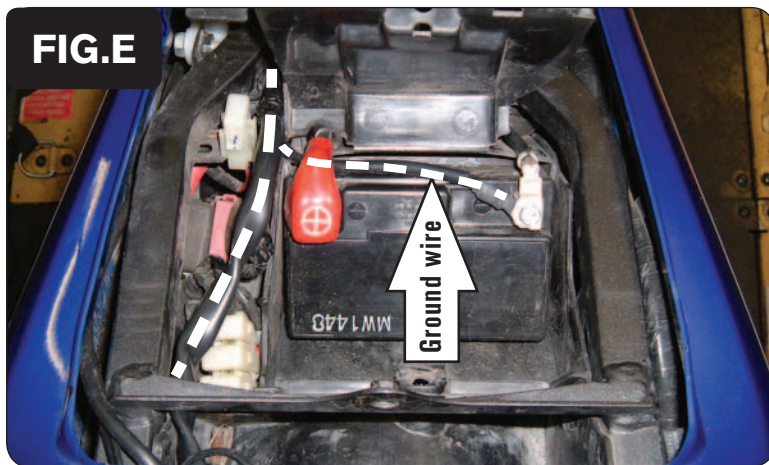
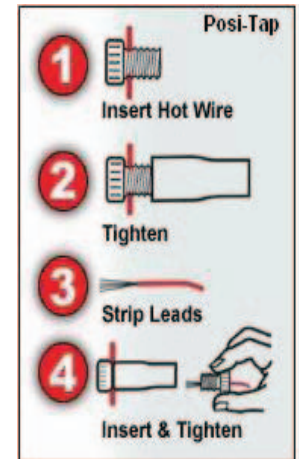
- 5 Plug the PCV connectors in-line with the stock harness and injector (Fig C).



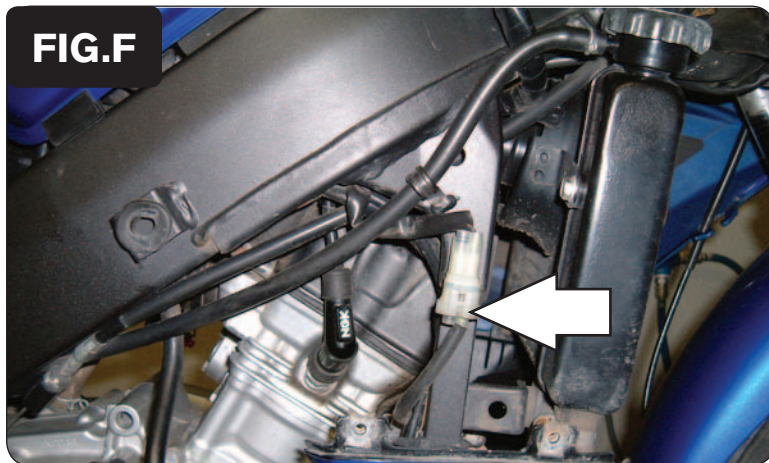
- 6 Locate the TPS on the left side of the bike (Fig D).
- 7 Using the supplied Posi-tap, attach the unterminated GREY wire of the PCV wiring harness to the stock YELLOW/BLACK wire of the TPS (Fig. E).

*It is recommended to use dielectric grease on these connections.*

*The wire-tap used in this picture is not a Posi-tap. This is an older crimp-on style wire-tap.*

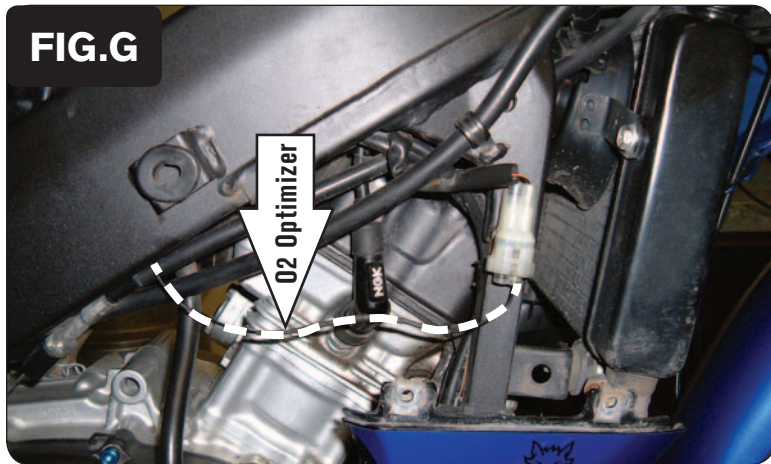


- 8 Remove the battery cover and attach the PCV ground wire to the negative side of the battery (Fig F).

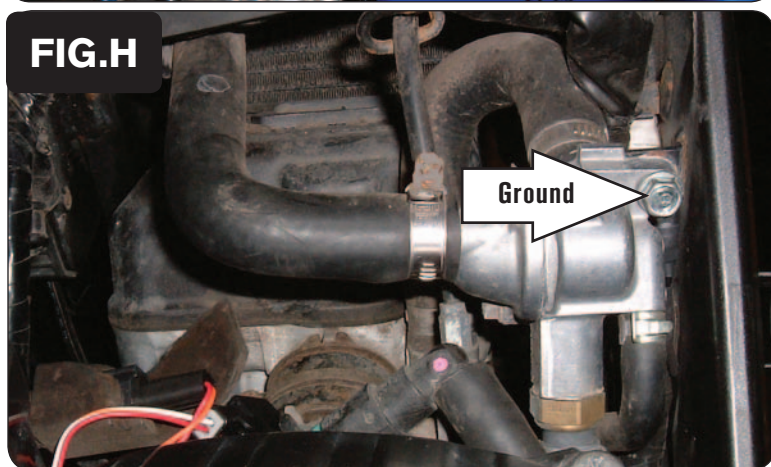


- 9 Remove the right side fairing.
- 10 Locate the stock O2 sensor. This is the wire coming from the right side of the cylinder head near the exhaust.
- 11 Unplug the O2 sensor (Fig F).

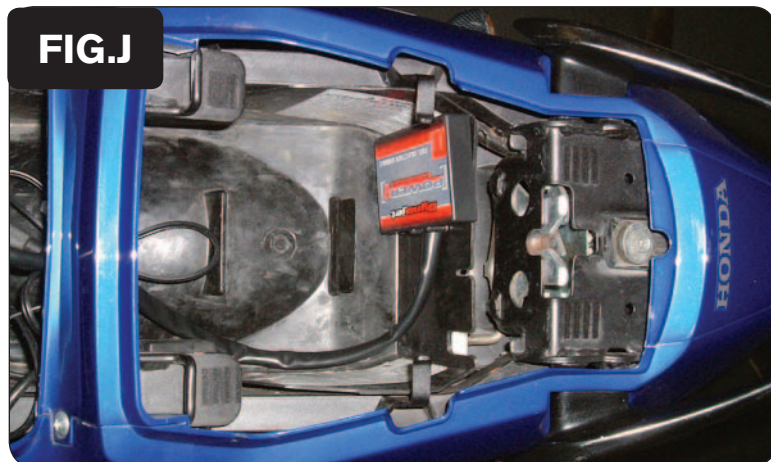
*The stock O2 sensor will no longer be connected to anything. Secure it out of the way.*



- 12 Plug the Dynojet O2 Optimizer into the stock wiring harness.
- 13 Route the O2 Optimizer harness to the inside of the frame near the thermostat housing (Fig. G).



- 14 Ground the other end of the Dynojet O2 Optimizer to the bolt of the thermostat housing (Fig. H).



- 15 Secure the PCV in the tail section using the supplied velcro.  
*Make sure to use the alcohol swab to clean both surfaces before attaching.*
- 16 Bolt the fuel tank back into place. Reinstall the fairing and seats.