

# [POWER COMMANDER V]

## 2009 Kawasaki VN2000

### Installation Instructions



#### Parts List

- 1 Power Commander
- 1 USB Cable
- 1 CD-ROM
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro® Strip
- 1 Alcohol Swab

**The ignition MUST be turned OFF before installation!**

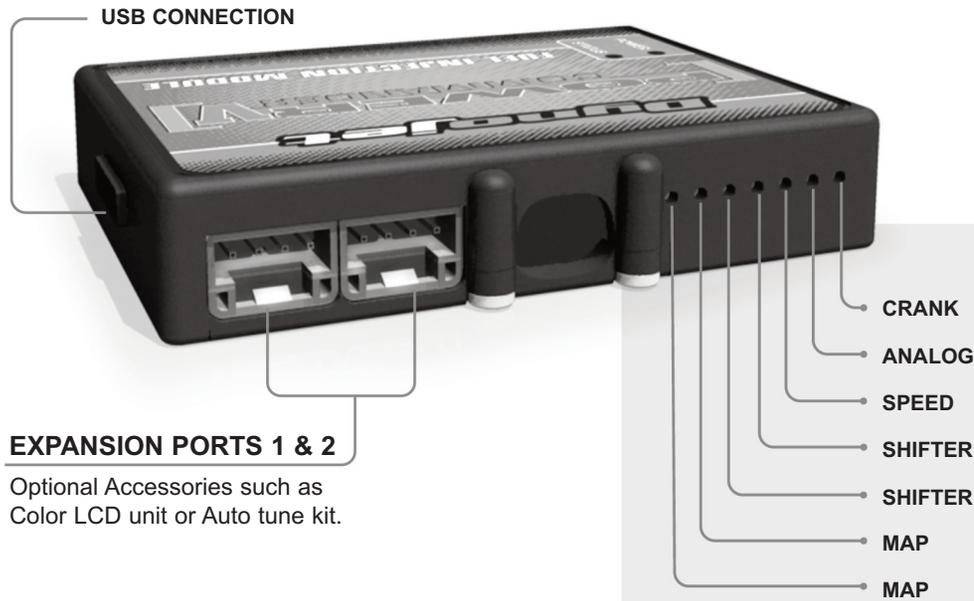
YOU CAN ALSO DOWNLOAD THE  
POWER COMMANDER SOFTWARE AND  
LATEST MAPS FROM OUR WEB SITE AT:  
[WWW.POWERCOMMANDER.COM](http://WWW.POWERCOMMANDER.COM)

**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)

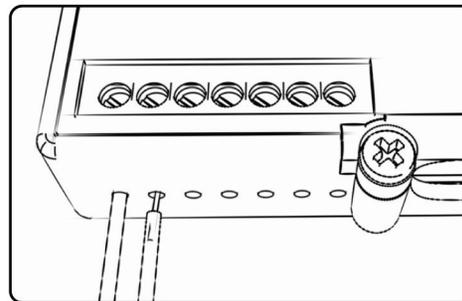
# POWER COMMANDER V INPUT ACCESSORY GUIDE



Optional Accessories such as Color LCD unit or Auto tune kit.

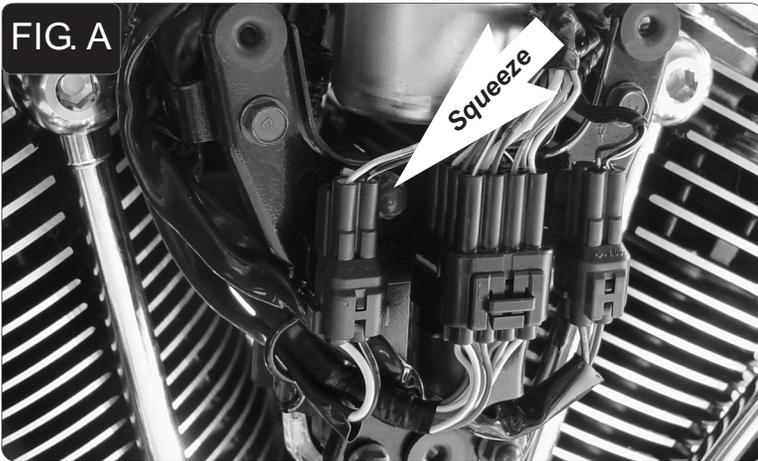
## Wire connections:

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 -** 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.
- Shifter-** 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.
- 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.

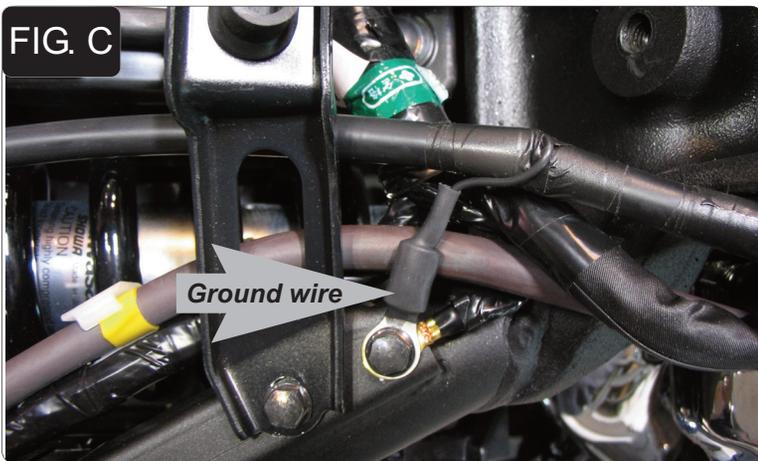


- 1 Remove the main seat and the passenger seat.
- 2 Remove the chrome left hand engine cover below the fuel tank.
- 3 Remove the fuel tank. To remove the fuel line squeeze the orange tabs of the connector and push in (Fig. A).
- 4 Unplug the three electrical connectors.

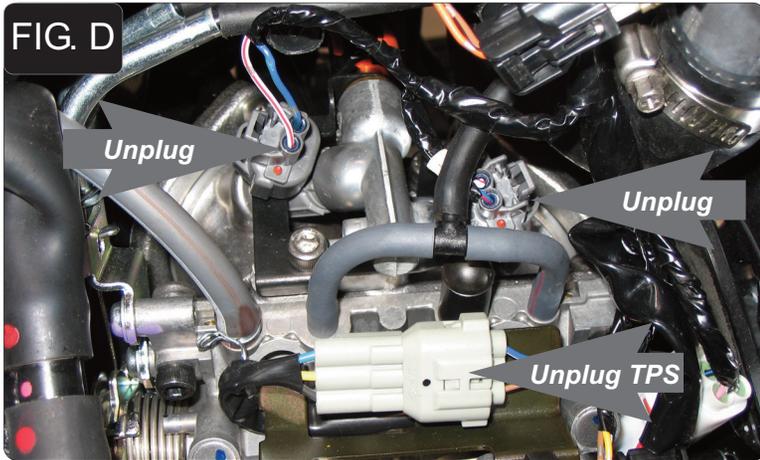


- 5 Lay the PCV in the battery area and route the PCV harness towards the front of the bike (Fig. B).

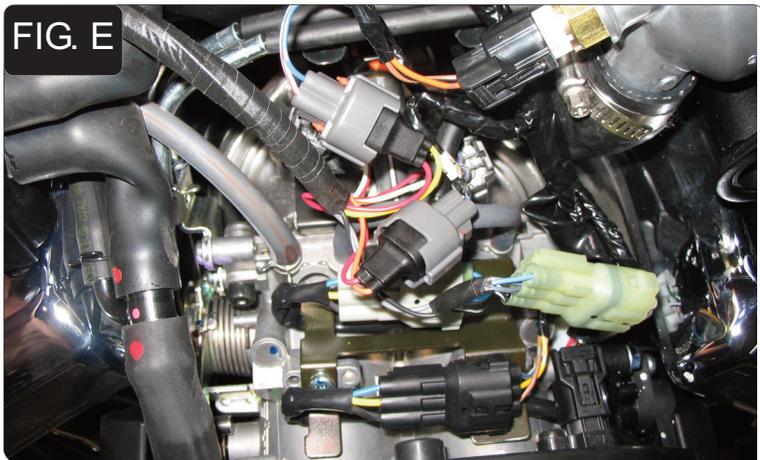
Follow the stock wiring harness through the guides.



- 6 Attach the ground lead from the PCV to the ground wire to the right side of the seat bracket (Fig. C).



- 7 Locate the throttle body which is under the fuel tank.  
Unplug the stock wiring harness from each injector (Fig. D).
- 8 Unplug the stock Throttle Position Sensor connector (Fig. D). This is a GREY 3 pin connector.



- 9 Plug the PCV harness in line of the stock wiring harness and throttle body connections (Fig. E).

*The ORANGE colored wires from the PCV go to the front cylinder.*



- 10 Secure the PCV to the battery cover towards the rear of the shock using the supplied velcro.

Make sure to clean both surfaces with the alcohol swab before attaching.

- 11 Reinstall fuel tank and cover.

**Speed input** - PINK wire of 3 pin connector located under right hand side cover.

**12v source for Auto tune** - RED wire of 6 pin connector for the tail light.