

[POWER COMMANDER V]

**Kawasaki VN1600 Models
2003-2008 CLASSIC &
2005-2008 NOMAD**

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!**

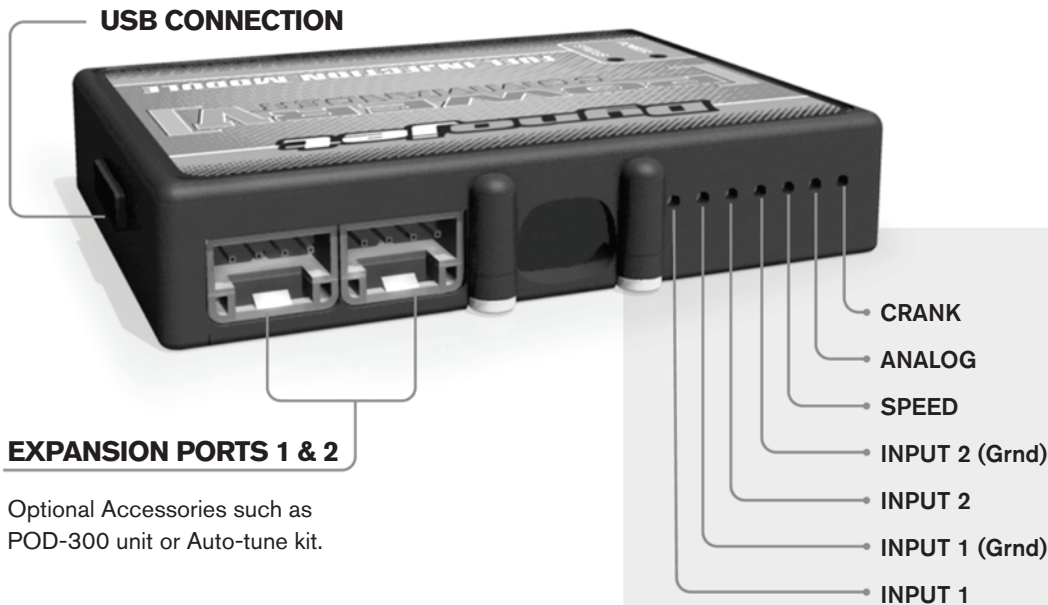
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

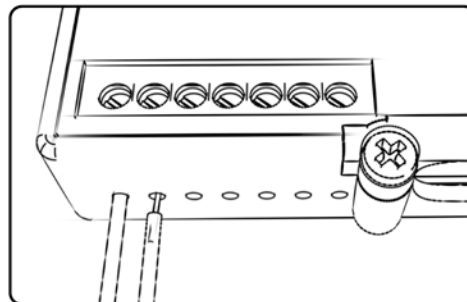
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

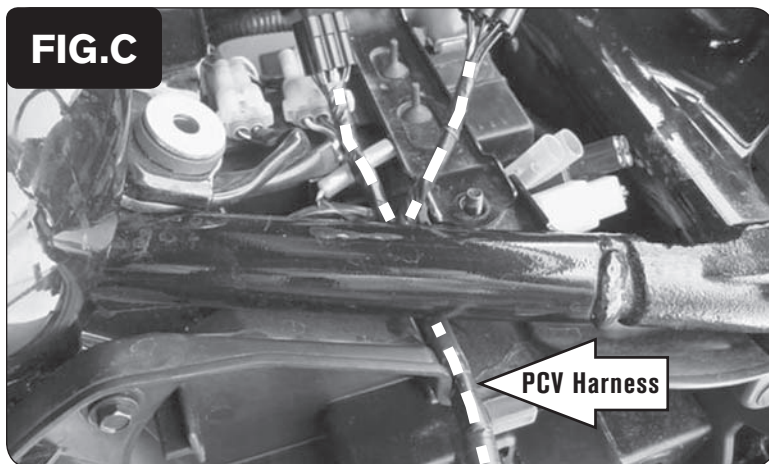
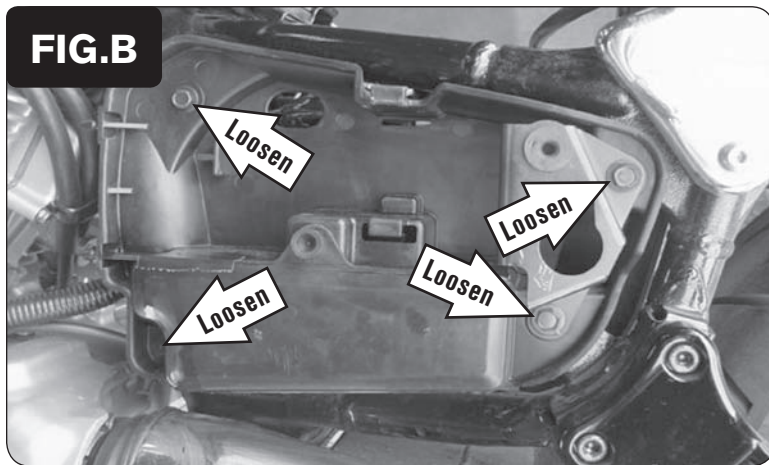
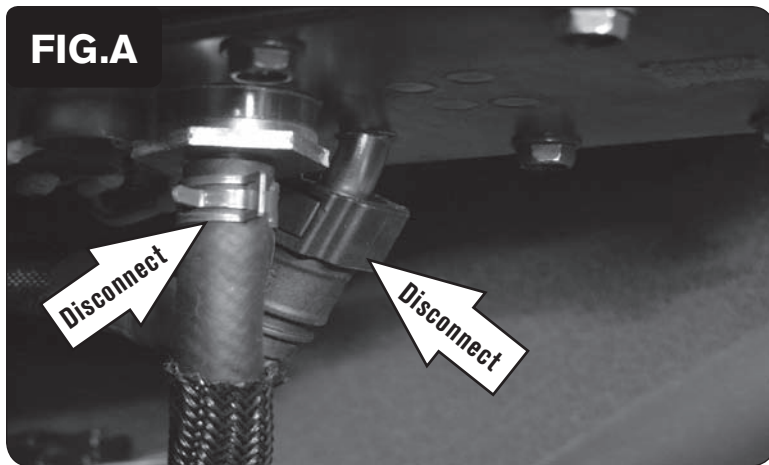
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

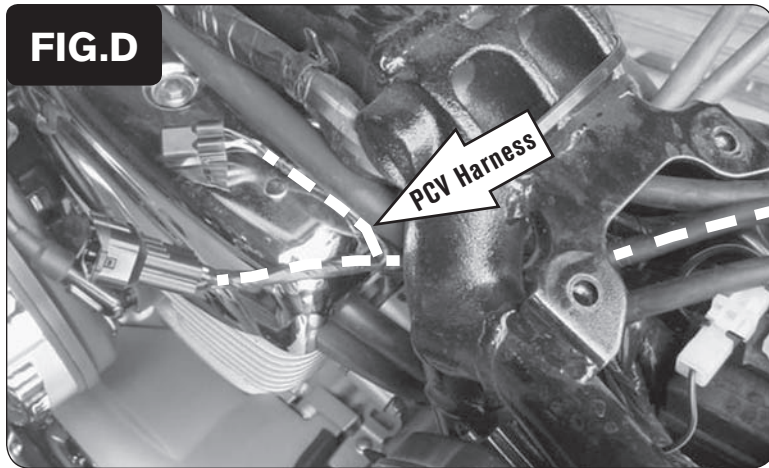
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



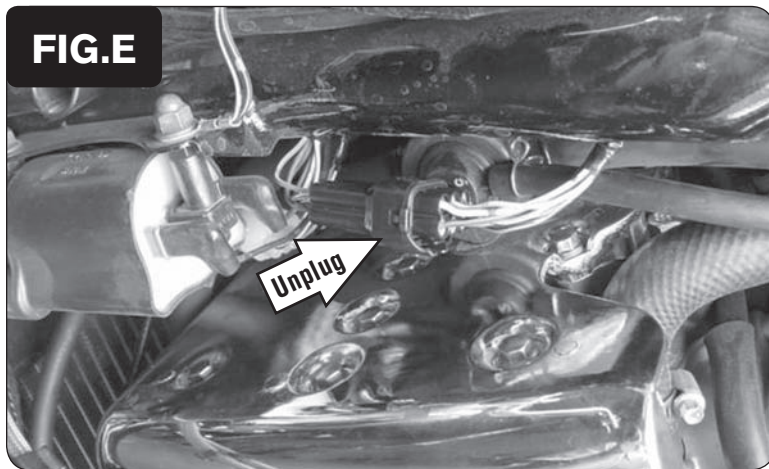
- 1 Remove the main seat and the passenger seat.
- 2 Remove the fuel tank.
Note: The installation can be done without removing the fuel tank, but it may be easier to have it removed
- 3 To remove the fuel line squeeze the sides of the connector (Fig. A). Disconnect the two electrical connectors.

- 4 Loosen the four bolts holding on the left hand side cover (Fig. B).

- 5 Route the PCV wiring harness between the tray and the frame (Fig. C).



- 6 Continue routing the PCV wiring harness towards the front of the bike. Route underneath the frame and towards the left hand side of the rear cylinder (Fig. D).

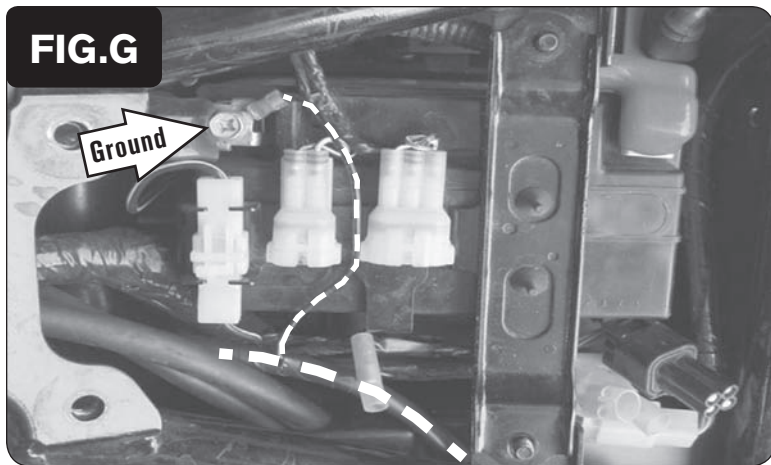


- 7 Continue routing the PCV wiring harness along the frame towards the front of the bike. Locate the stock connector pair for the throttle bodies (Fig. E).
- 8 Unplug these connectors.



- 9 Plug the connectors from the PCV wiring harness in-line of the stock connectors (Fig. F).

Note: There is another pair of stock connectors further down the stock wiring harness on the right side of the frame that the PCV wiring harness will fit into. Make sure you are plugging the PCV wiring harness in-line of the stock connector pair that sits on the left side of the frame.



- 10 Attach the ground wire from the PCV wiring harness to the negative side of the bike's battery (Fig G).



- 11 Install the PCV module under the left hand side cover (Fig. H). Use the supplied Velcro to attach the unit. Clean surfaces with the supplied alcohol swab before attaching the Velcro.

Note: *If you have a California model there will be a charcoal canister under the left side cover. It is best to Velcro the unit to the front of the charcoal canister.*