[POWER COMMANDER V]

FUEL AND IGNITION

2008-2011 Kawasaki VN2000

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!

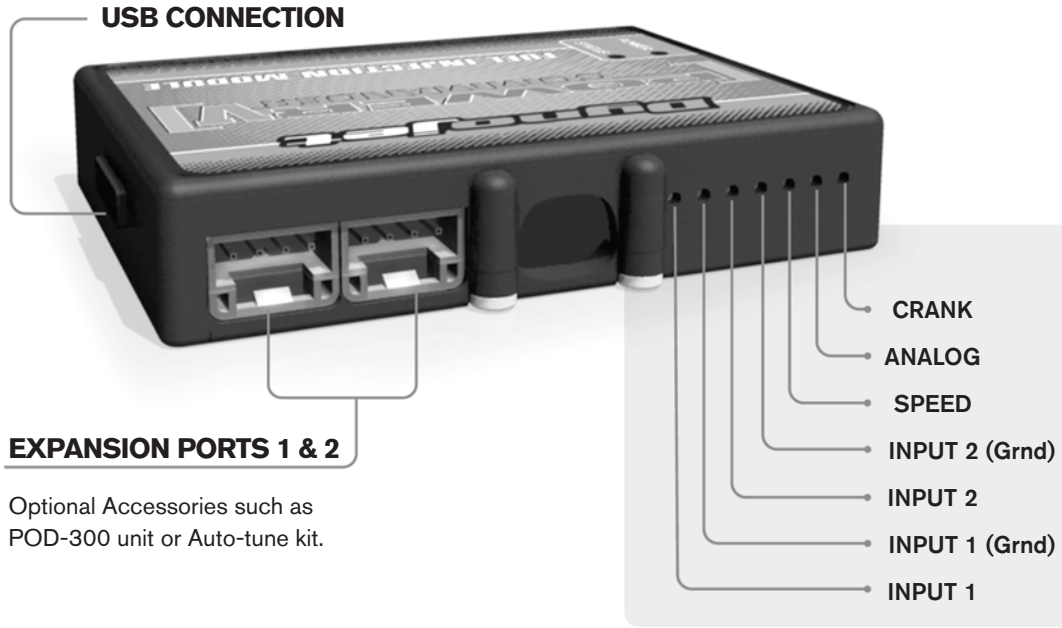
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT: www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

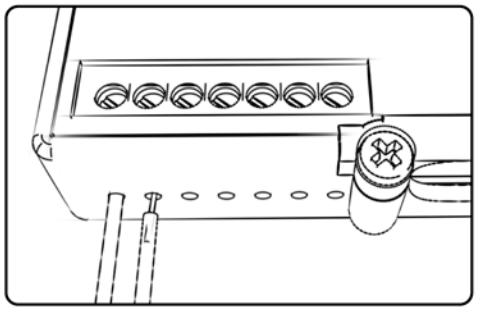
POWER COMMANDER V
INPUT ACCESSORY GUIDE



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 is 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

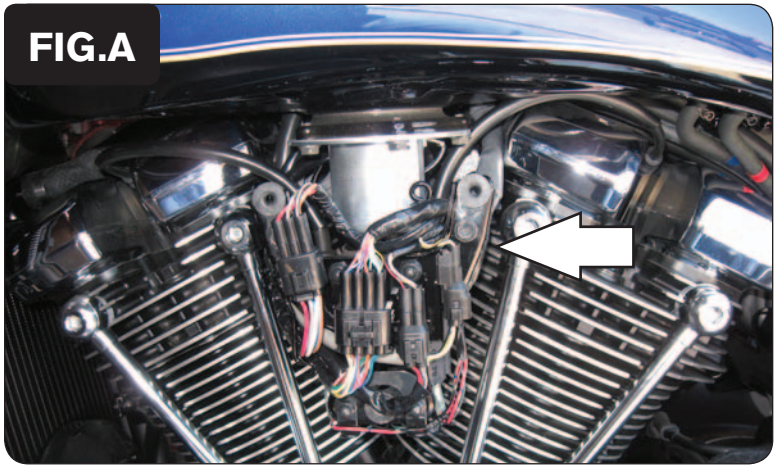
Map - (Input 1 or 2) The PCV has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important. When using the Autotune kit one position will 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.



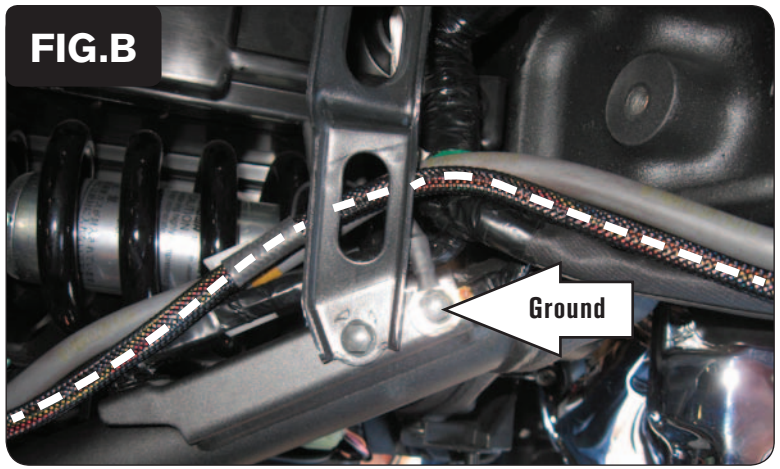
1 Remove the main seat and the passenger seat.

2 Remove the chrome left hand engine cover below the fuel tank.

3 Remove the fuel tank.

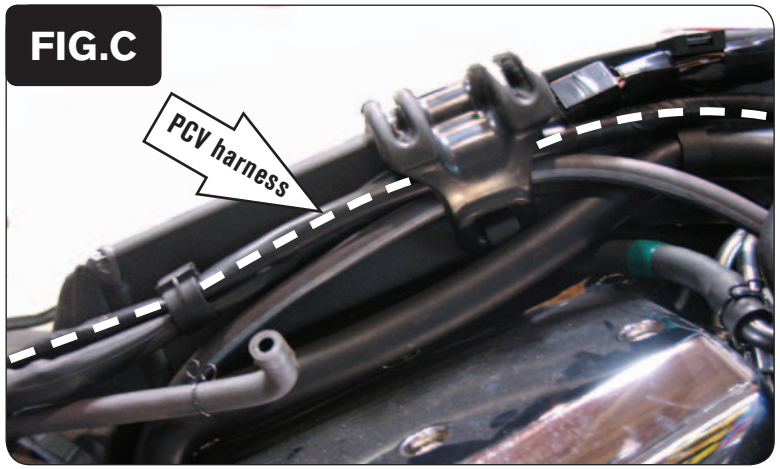
To remove the fuel line squeeze the orange tabs of the connector and push in.

4 Unplug the 4 electrical connectors (Fig. A).



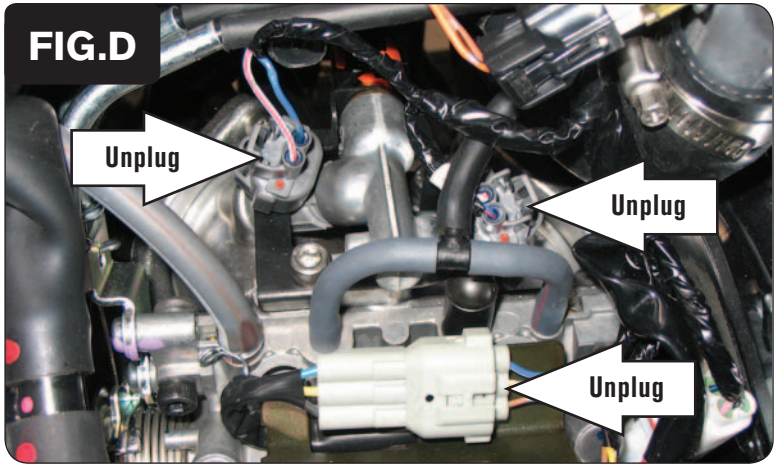
5 Lay the PCV in the battery area and route the PCV harness towards the front of the bike.

6 Attach the ground lead from the PCV with the small ring lug to the stock common ground to the right side of the seat bracket (Fig. B).



7 Route the PCV along the frame following the stock harness. Run the PCV harness through the stock wiring harness guides.

FIG.D



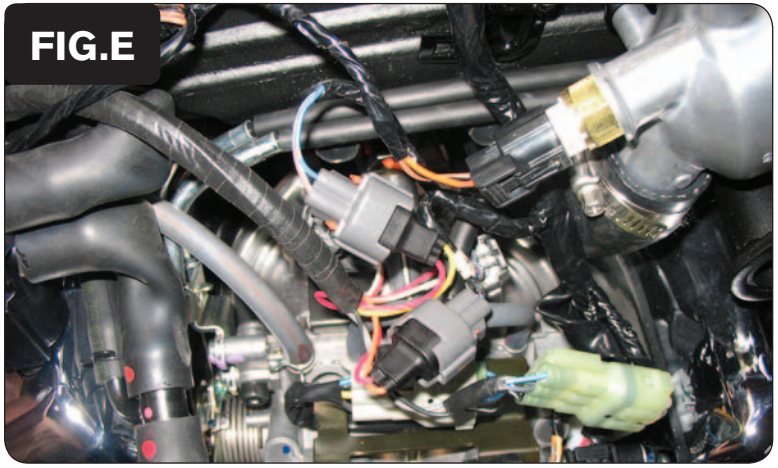
8 Locate the throttle body which is under the fuel tank.

Unplug the stock wiring harness from each injector (Fig. D).

9 Unplug the stock Throttle Position Sensor connector (Fig. D).

This is a GREY 3-pin connector.

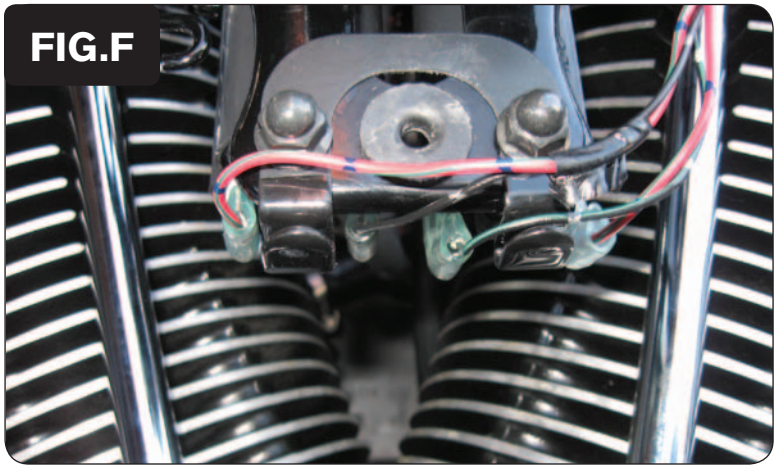
FIG.E



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

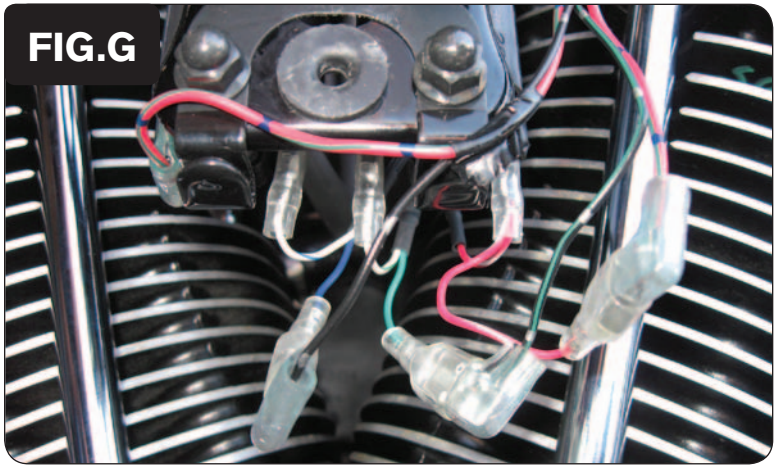
The ORANGE colored wires from the PCV go to the front cylinder.

FIG.F



11 Locate the stock ignition coils under the left hand cosmetic engine cover (Fig. F).

FIG.G

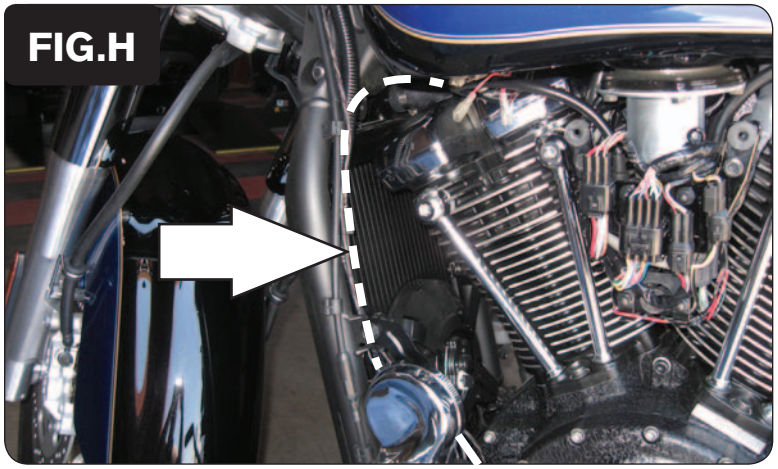


12 Unplug the BLACK/GREEN wire from the coils. Plug the BLUE colored wires from the PCV in-line of the ignition coil and stock wiring harness (Fig. G).

13 Unplug the BLACK wire from the coils. Plug the GREEN colored wires from the PCV in-line of the ignition coil and stock wiring harness (Fig. G).

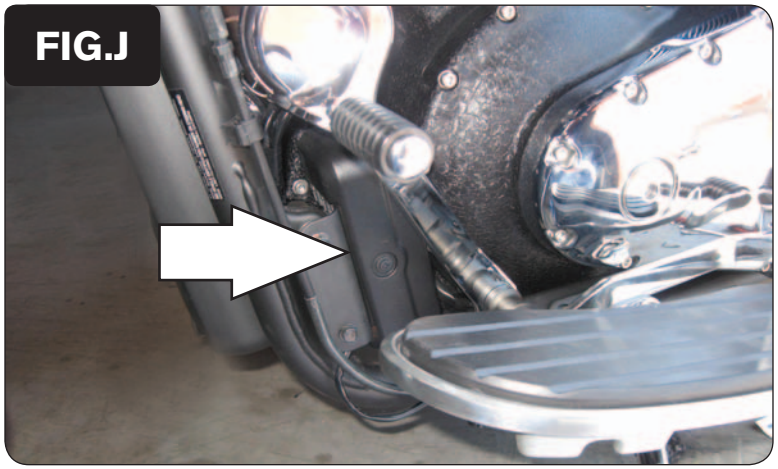
14 Unplug one of the RED/GREEN wires from the coils. Plug the RED colored wires from the PCV in-line of the ignition coil and stock wiring harness (Fig. G).

FIG.H



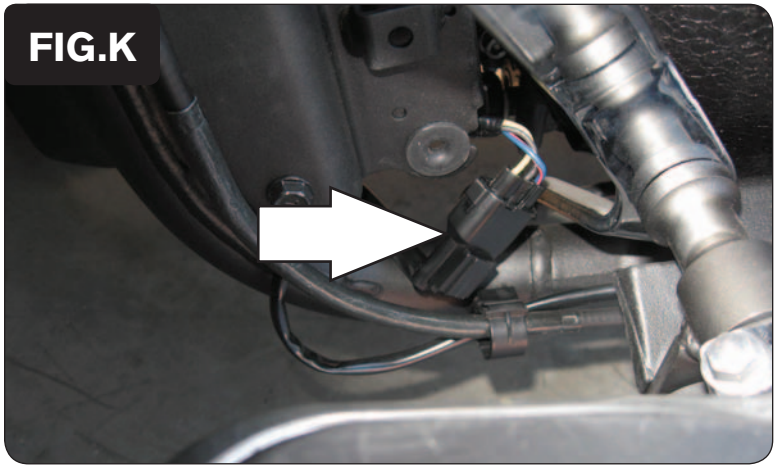
15 Route the PCV harness down along the left side of the frame using the stock cable guides to secure the harness (Fig. H).

FIG.J



16 Remove the plastic cover on the left, front of the engine near the floorboard (Fig. J).

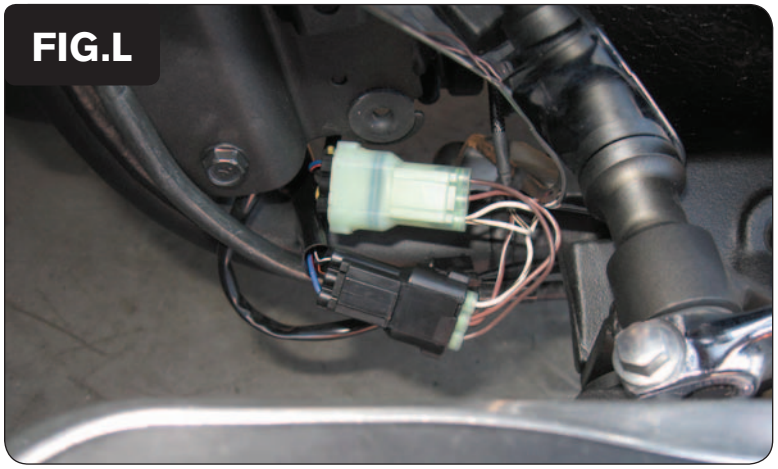
FIG.K



17 Unplug the stock Crank Pickup Coil sensor (Fig. K).

This is a BLACK 3-pin connector underneath the cover you removed in step 16.

FIG.L



18 Plug the PCV connectors in-line of the stock wiring harness and crank connector (Fig. L).

19 Reinstall the plastic cover.

FIG.M

20 Secure the PCV to the plastic cover near the rear shock using the supplied velcro.

Make sure to clean the surface with the alcohol swab before attaching.

21 Reinstall the fuel tank and seat.