

# [POWER COMMANDER V]

## FUEL AND IGNITION

**2009-2014 Honda VT750 models**

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 Posi-tap

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

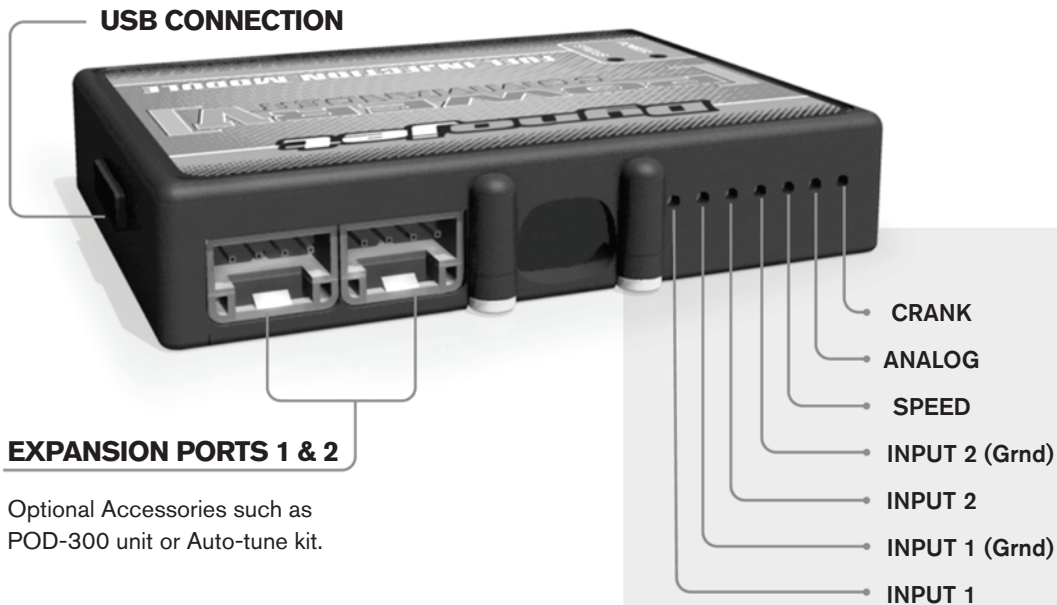
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**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)

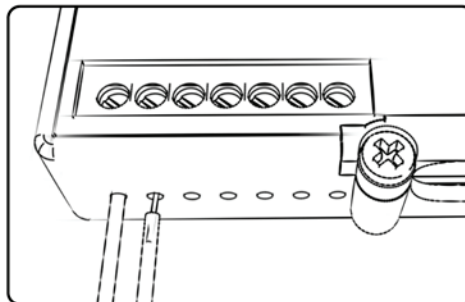
# POWER COMMANDER V INPUT ACCESSORY GUIDE



## 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-

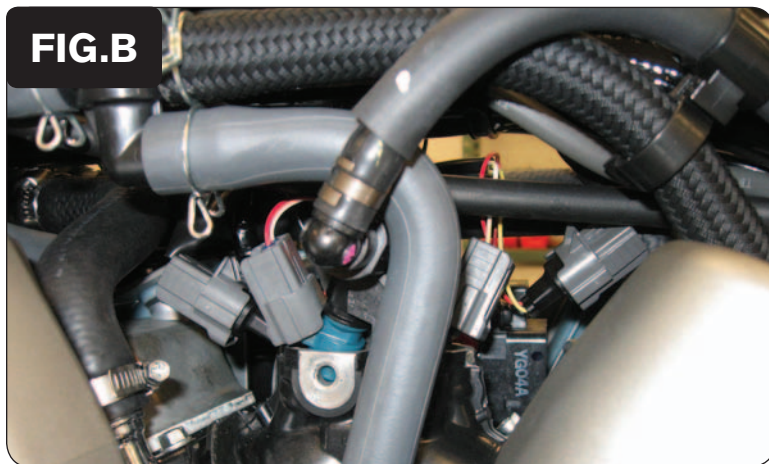
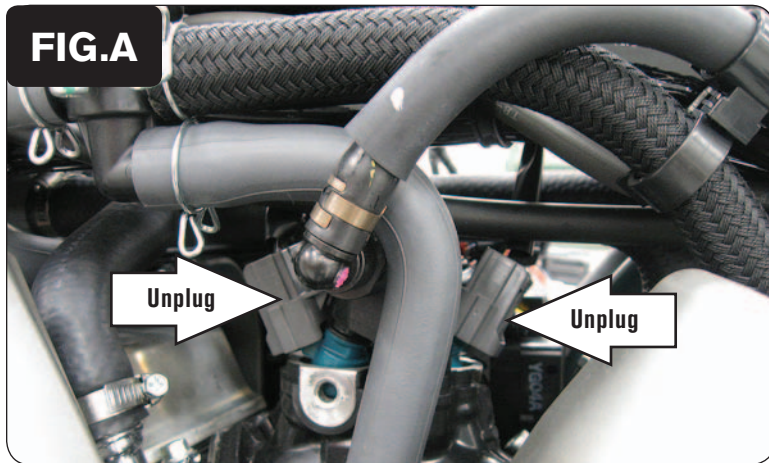
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

*Removing the fuel tank is tricky since there is not a dry-break on the fuel line to the fuel pump. Either drain the fuel or have someone hold the fuel tank up while performing the install*

- 2 Lay the PCV in the battery area and route the harness up the right side of the frame following the stock wiring harness.

- 3 Unplug the stock wiring harness from each injector (Fig. A).

- 4 Plug the PCV harness in-line of stock wiring harness and each injector.

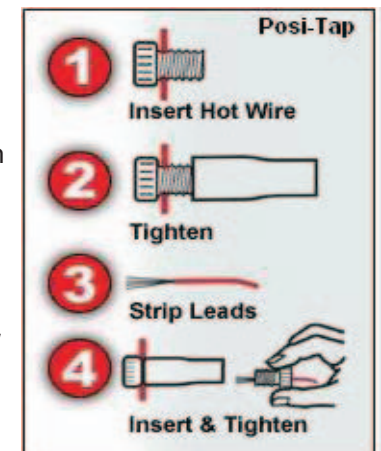
*The ORANGE colored wires from the PCV go to the front cylinder.*

*The YELLOW colored wires from the PCV go to the rear cylinder.*

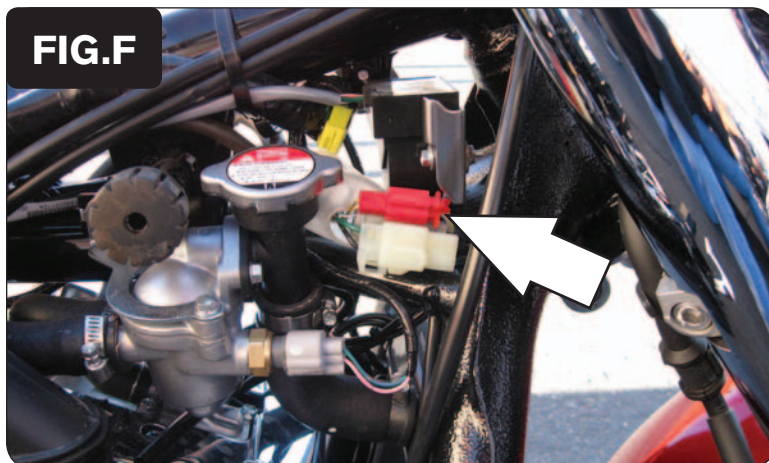
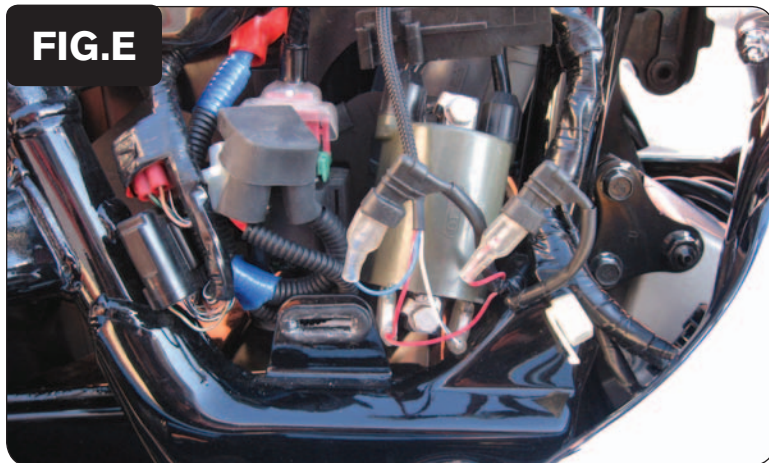
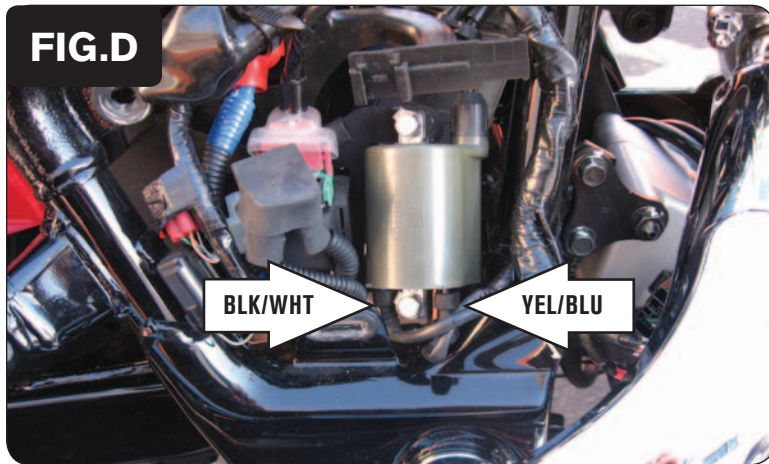
- 5 Locate the Throttle Position Sensor connector on top of the throttle body.

*This is a BLACK 5-pin connector.*

- 6 Using the supplied posi-tap secure the GREY wire from the PCV harness to the RED/YELLOW wire (Fig. C).

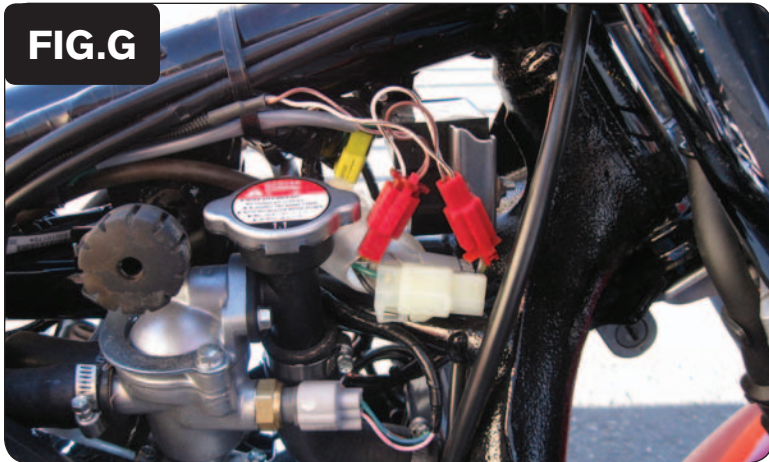




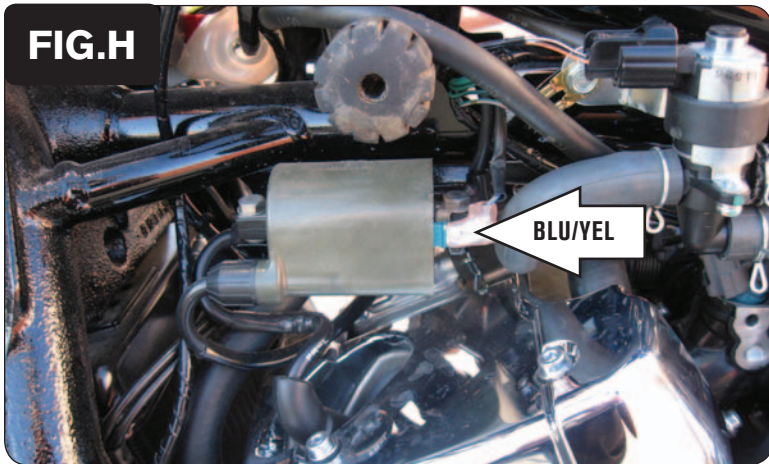


- 7 Locate the rear ignition coil behind the right hand side cover (Fig. D).
- 8 Unbolt this coil so that the bottom wires can be accessed.
- 9 Unplug the BLACK/WHITE and YELLOW/BLUE wires from the coil.
  
- 10 Plug the set of RED colored wires of the PCV in-line with the BLACK/WHITE coil wire and the coil.
- 11 Plug the set of BLUE colored wires of the PCV in-line with the YELLOW/BLUE coil wire and the coil.
- 12 Bolt the rear coil back to its mounting bracket.
  
- 13 Locate and unplug the Crank Position Sensor connectors on the right hand side of the bike, up by the steering stem (Fig. F).

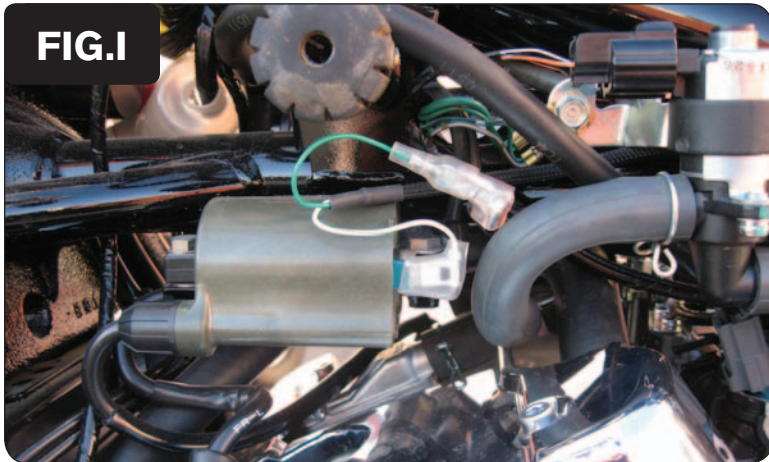
*This is the set of RED, 2-pin connectors.*



- 14 Plug the set of RED, 2-pin connectors of the PCV wiring harness in-line with the bike's Crank Position Sensor connectors (Fig. G).

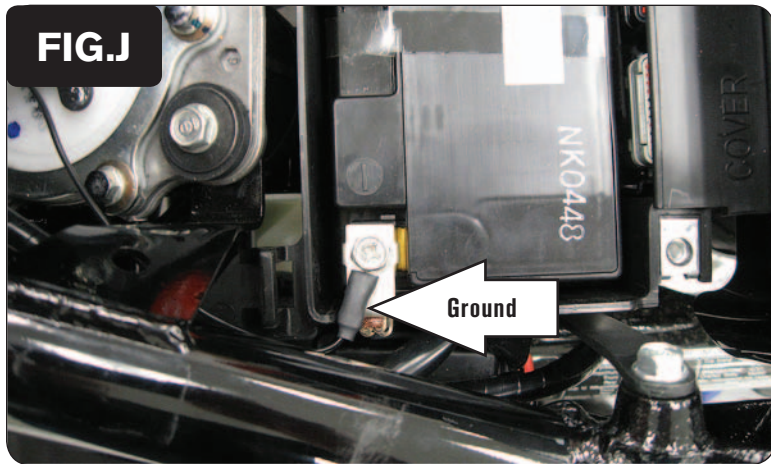


- 15 Locate the front ignition coil on the left hand side of the bike above the front cylinder head (Fig. H).
- 16 Unplug the BLUE/YELLOW wire from the coil.

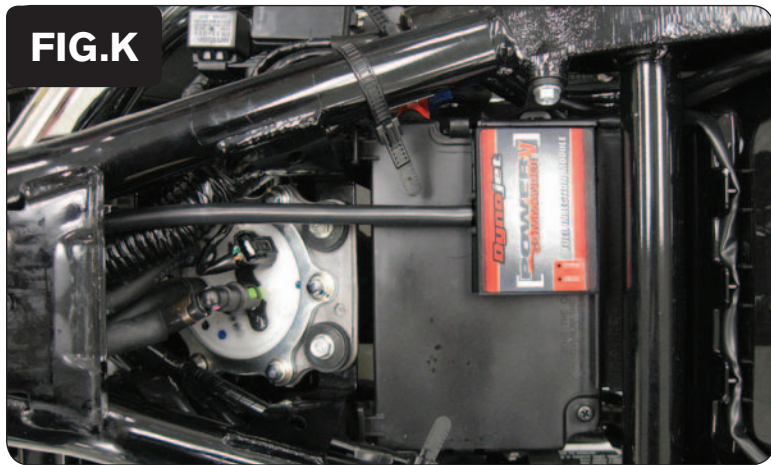


- 17 Plug the set of GREEN colored wires of the PCV in-line with the BLUE/YELLOW wire and the coil.





- 18 Remove the battery tray lid.
- 19 Attach the ground wire from the PCV to the negative side of the battery (Fig. J).
- 20 Reinstall battery tray lid making sure it does not pinch the ground wire.



- 21 Secure the PCV to the top of the battery tray lid using the supplied velcro. (Fig. K).
- 22 Reinstall fuel tank and seat.