

# [POWER COMMANDER V]

**2004-2005 Kawasaki ZX-12R**

**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!**

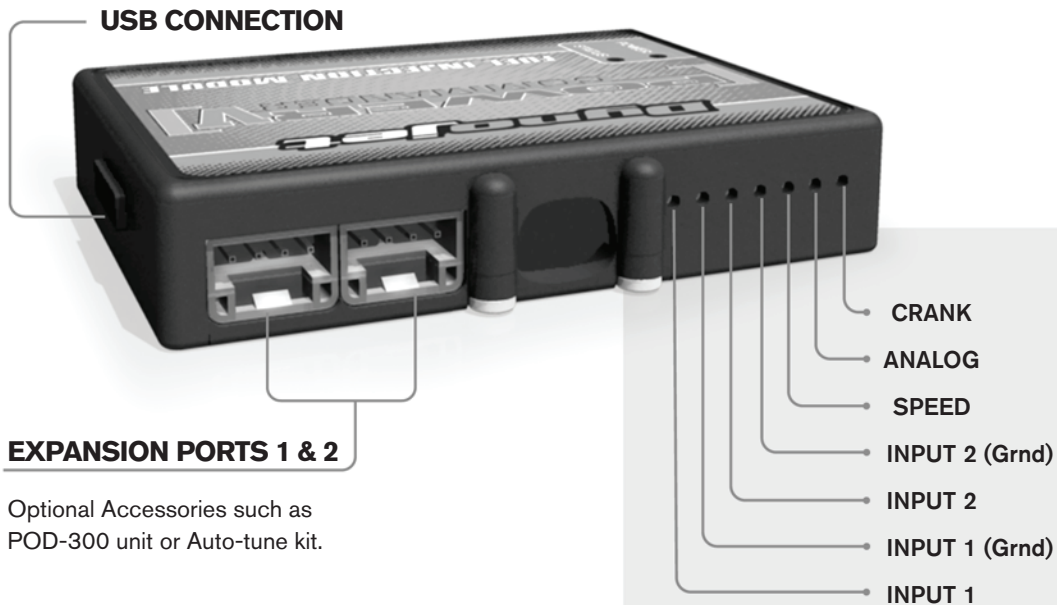
THE LATEST POWER COMMANDER  
SOFTWARE AND MAP FILES CAN BE  
DOWNLOADED FROM OUR WEB SITE AT:  
[www.powercommander.com](http://www.powercommander.com)

**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-

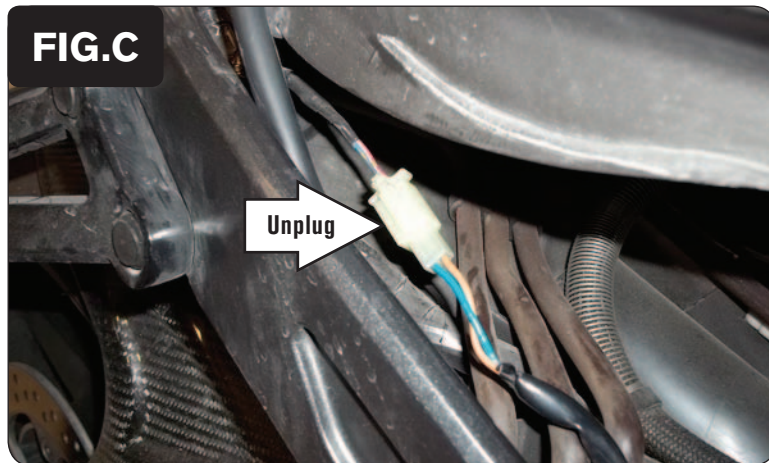
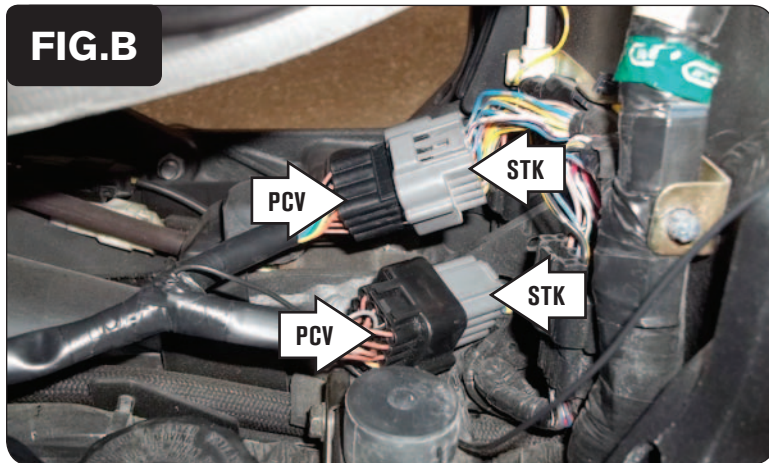
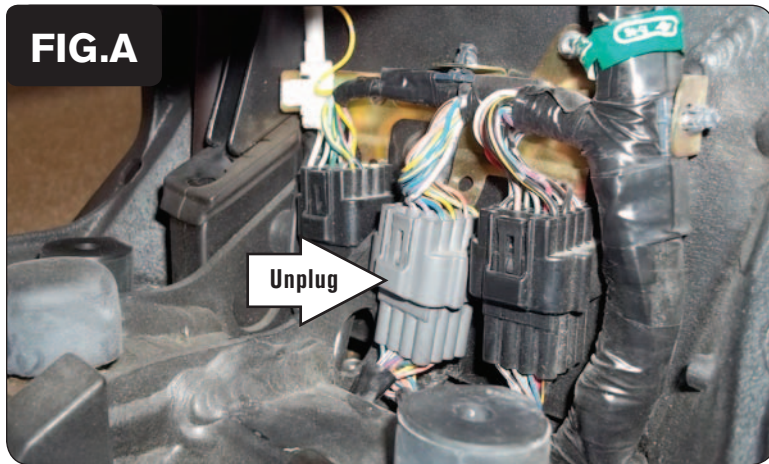
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent 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 main seat and the passenger seat.
- 2 Remove the fuel tank shroud.
- 3 Unbolt and prop the front of the fuel tank.
- 4 Remove the battery cover.
- 5 Place the PCV module in the tail section and route the harness forward towards the engine along the right hand side of the bike.
- 6 Locate and unplug the stock sub-harness connector for the bike's fuel injectors (Fig. A).

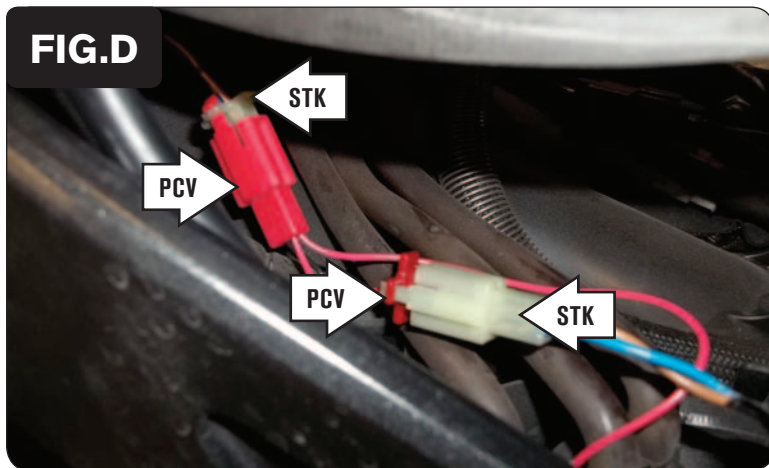
*This is a GREY 16-pin connector located under the fuel tank just rear of the battery on the right side of the bike.*

- 7 Plug the pair of BLACK 16-pin connectors from the PCV wiring harness in-line of the stock GREY 16-pin connectors (Fig. B).

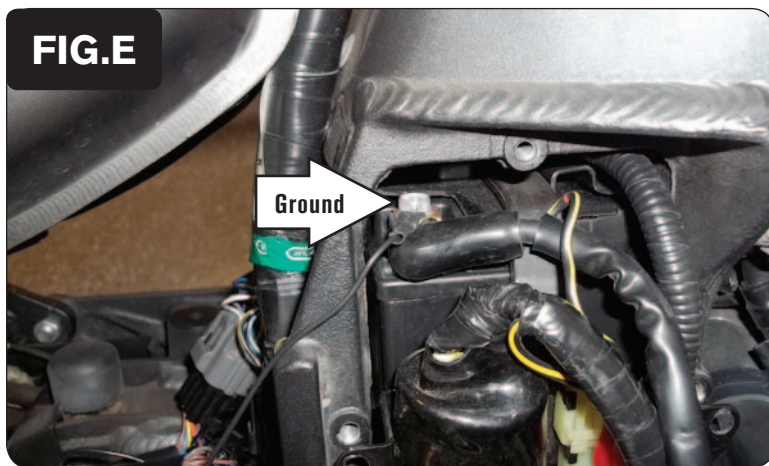
*Try to keep the extra connectors as far down and forward as possible to keep from interfering with the fuel tank when it gets lowered.*

- 8 Locate and unplug the WHITE 2-pin connectors (Fig. C).

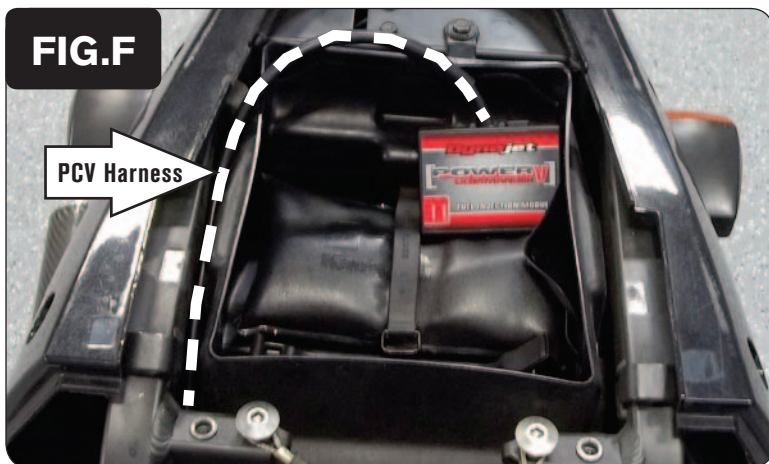
*This pair of connectors is located beneath the fuel tank towards the rear of the bike.*



- 9 Plug the pair of RED 2-pin connectors from the PCV wiring harness in-line of the stock WHITE 2-pin connectors (Fig. D).



- 10 Secure the PCV ground wire with the small ring lug to the negative (-) terminal of the bike's battery (Fig. E).



- 11 Secure the PCV module inside of the tail section (Fig. F).

*You can use the supplied Velcro to secure the module in the tail section. Use the supplied alcohol swab to clean the surface area prior to applying the Velcro.*

- 12 Reinstall the fuel tank, seats, and body work.

#### Optional inputs:

**Speed** - YELLOW wire on larger ECU connector (pin #11)

**12v source for Auto-tune** - RED wire from 3-pin tail light connector