

[POWER COMMANDER V]

**2005-2006 Kawasaki
ZX-6R (636cc) & ZX-6RR (600cc)**

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!**

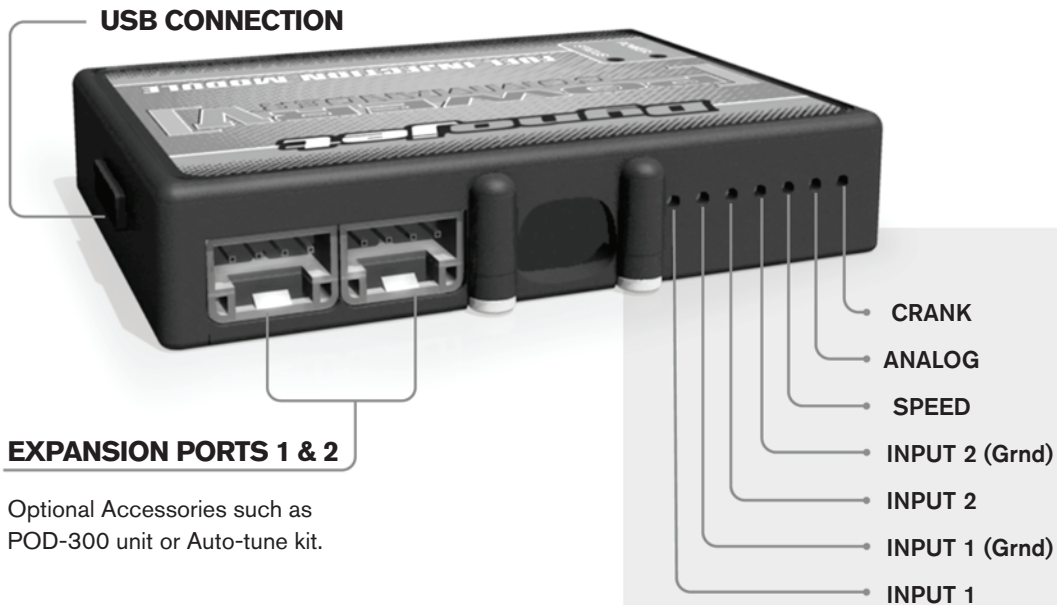
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

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-

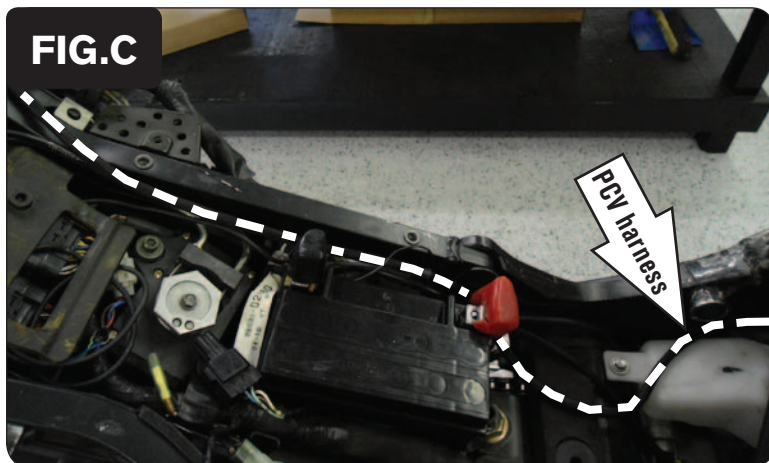
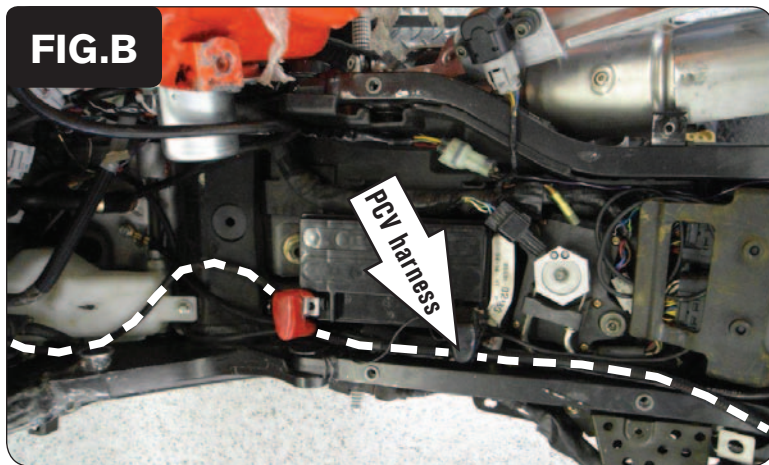
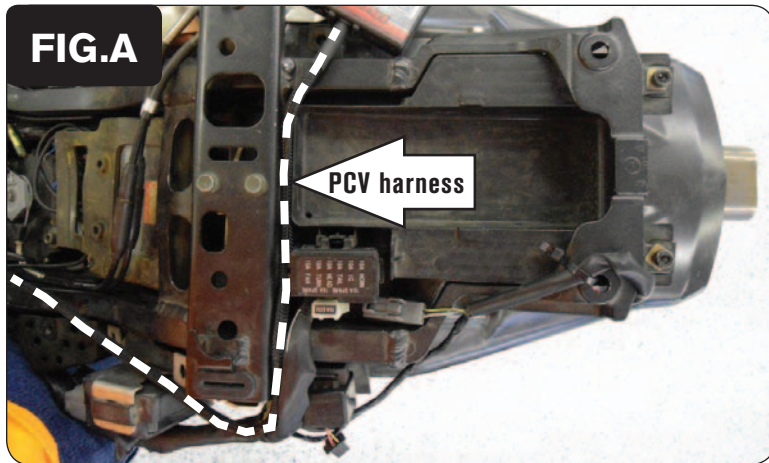
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

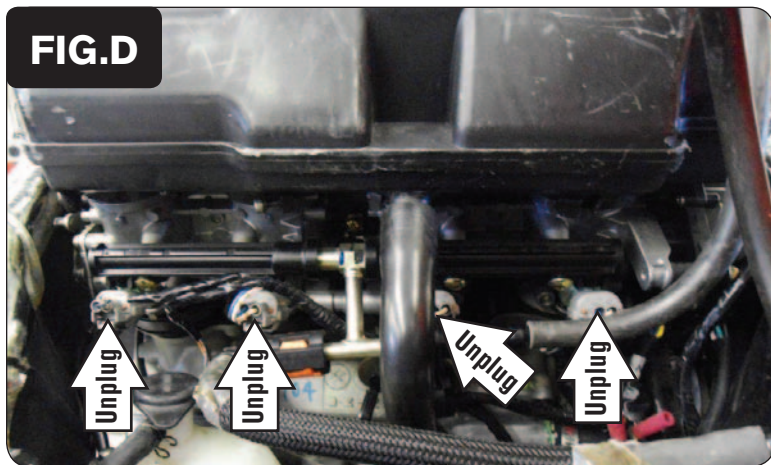


- 1 Remove the seats.
- 2 Remove the tail section by removing the undertail and removing the six screws for the tail section (Fig. A).
- 3 Prop the front of the fuel tank up.

- 4 Lay the PCV module in the tail section and route the wiring harness along side the stock wiring harness towards the engine (Fig. B).

- 5 Continue routing the wiring harness under the fuel tank and towards the throttle bodies following along inside the left side frame spar (Fig. C).

This picture was taken with the fuel tank completely removed; but the PCV can be installed without doing this.



- 6 Unplug the stock wiring harness from the LOWER fuel injectors at the throttle bodies (Fig. D).



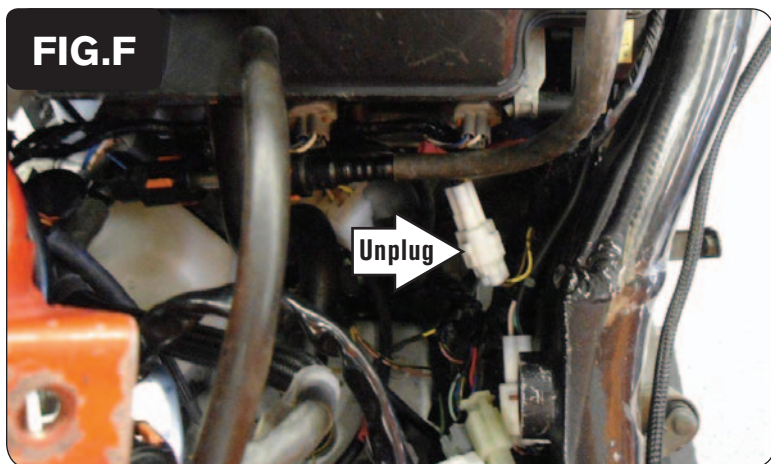
- 7 Plug the PCV connectors in-line of the stock wiring harness and the fuel injectors (Fig. E).

The pair of PCV leads with ORANGE colored wires go in-line of the cylinder #1 (left-most) fuel injector.

The pair of PCV leads with YELLOW colored wires go in-line of the cylinder #2 fuel injector.

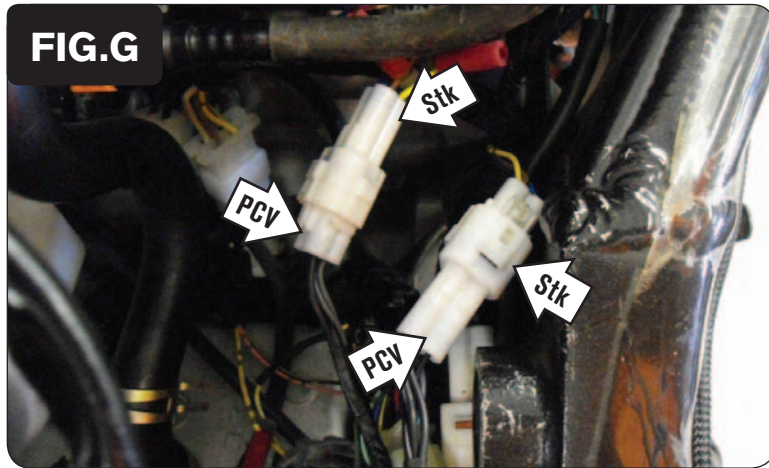
The pair of PCV leads with GREEN colored wires go in-line of the cylinder #3 fuel injector.

The pair of PCV leads with BLUE colored wires go in-line of the cylinder #4 (right-most) fuel injector.

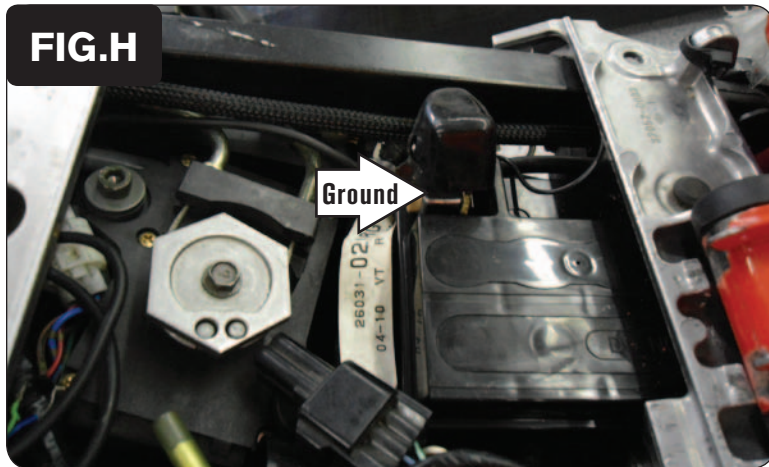


- 8 Locate and unplug the pair of stock Throttle Position Sensor connectors behind the throttle bodies on the right-hand side of the bike (Fig. F).

This is a WHITE 3-pin connector.



- 9 Plug the pair of matching PCV leads in-line with the stock TPS connectors (Fig. G).



- 10 Secure the ground wire of the PCV with the small ring lug to the negative (-) terminal of the bike's battery (Fig. H).
- 11 Lower and bolt down the front of the fuel tank.
- 12 Using the supplied Velcro, secure the module inside of the tail section.
Clean both surfaces with the supplied alcohol swab, prior to applying the Velcro adhesive.
- 13 Reassemble the tail section; and reinstall the seats.