

[POWER COMMANDER V]

FUEL AND IGNITION

2019 Kawasaki Z400

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!

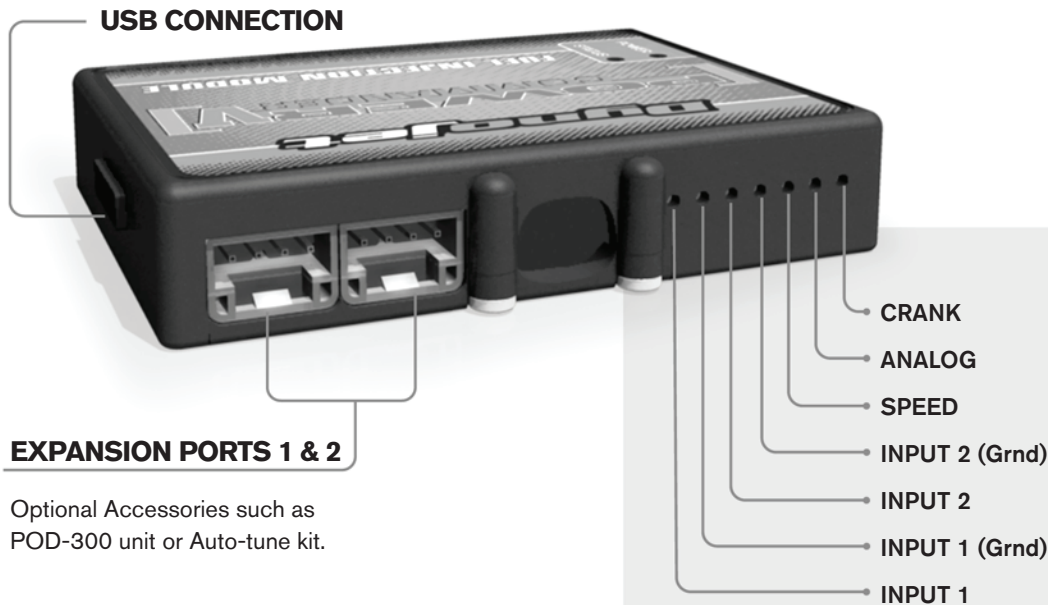
THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

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

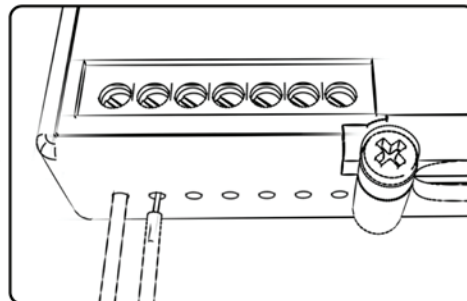
POWER COMMANDER V INPUT ACCESSORY GUIDE



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-

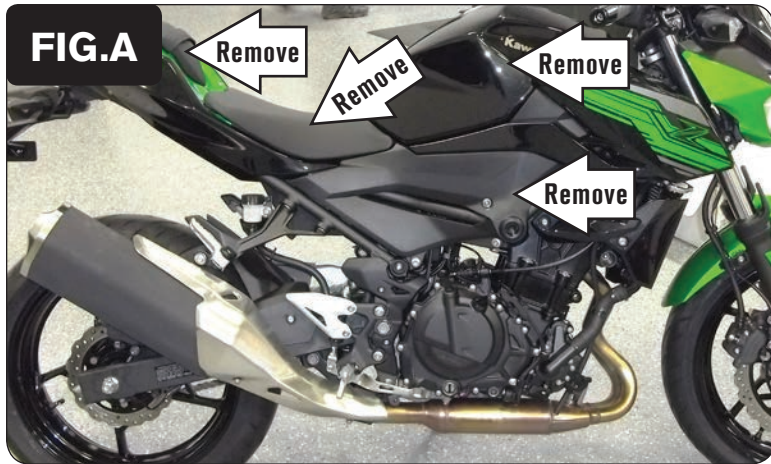
If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent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

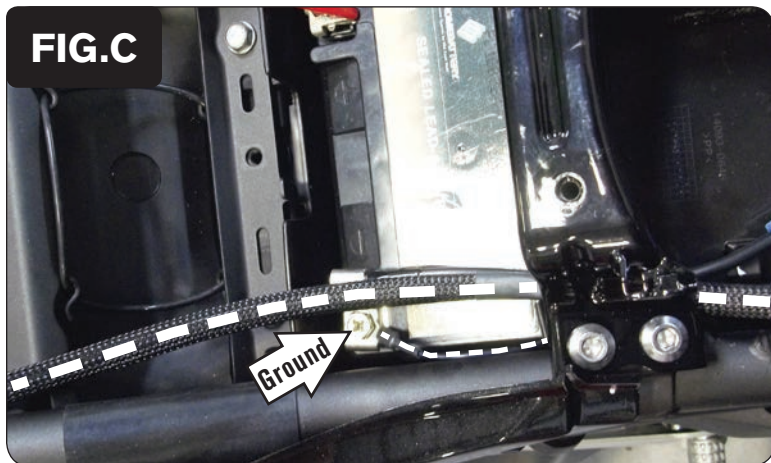


- 1 Remove both seats and the plastic side covers around the fuel tank and airbox (Fig. A).
- 2 Remove the fuel tank.
- 3 Remove the airbox.

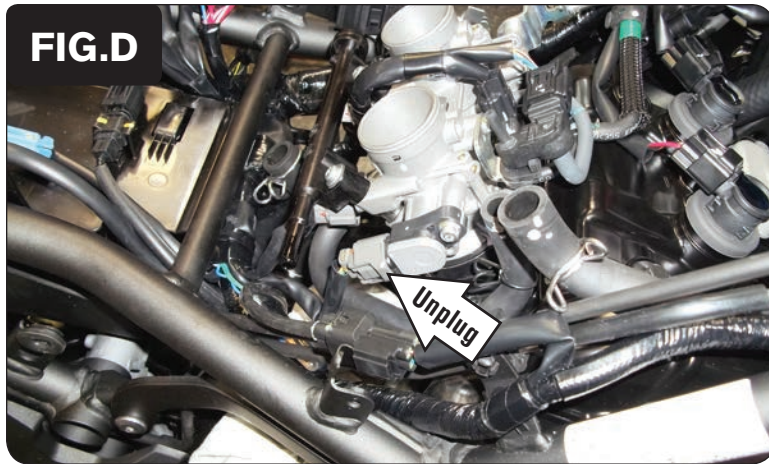


- 4 Secure the PCV module in the tail section beneath the passenger seat (Fig. B).

Use the supplied Velcro to secure the module. Clean surfaces with the alcohol swab before attaching the Velcro.



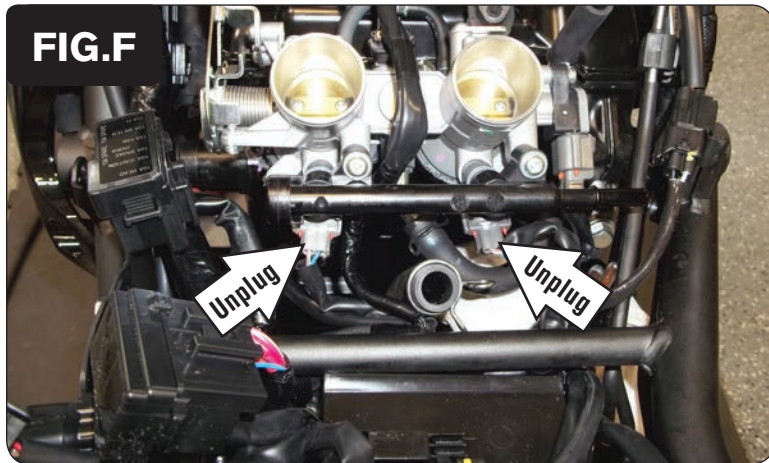
- 5 Route the PCV wiring harness forward towards the engine along the right side frame rail of the tail section. Route it beneath any frame crossover rails.
- 6 Secure the PCV ground wire with the small ring terminal to the negative (-) terminal of the bike's battery (Fig. C).



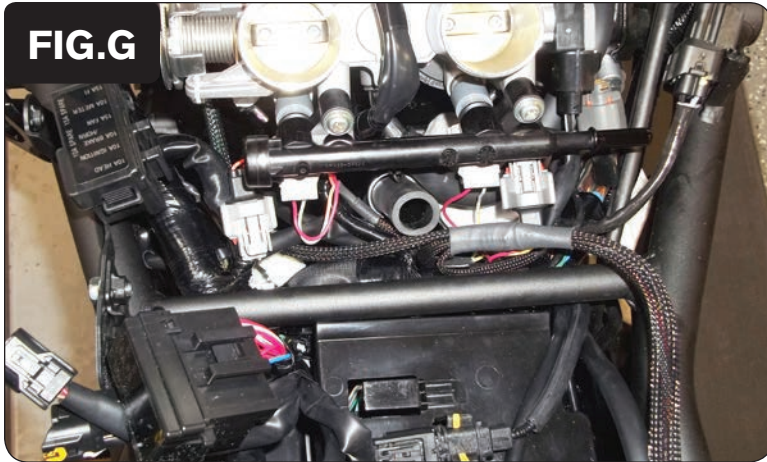
- 7 Unplug the Throttle Position Sensor at the right side of the throttle bodies (Fig. D).



- 8 Plug the PCV wiring harness in-line of the TPS and the stock wiring harness (Fig. E).



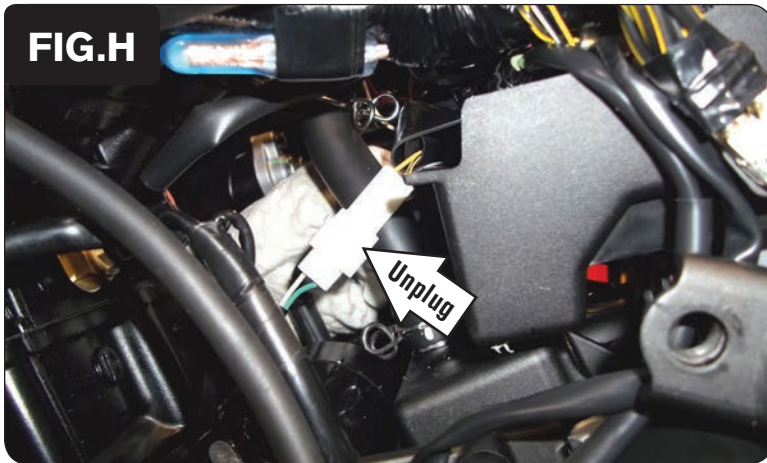
- 9 Unplug both Fuel Injectors (Fig. F).



- 10 Plug the PCV wiring harness in-line of both Fuel Injectors and the stock wiring harness (Fig. G).

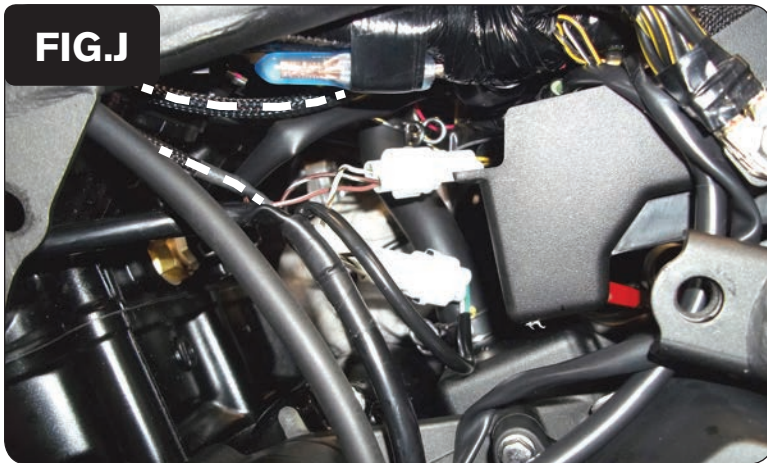
Connect the pair of PCV leads with ORANGE colored wires to the left cylinder injector.

Connect the pair of PCV leads with YELLOW colored wires to the right cylinder injector.

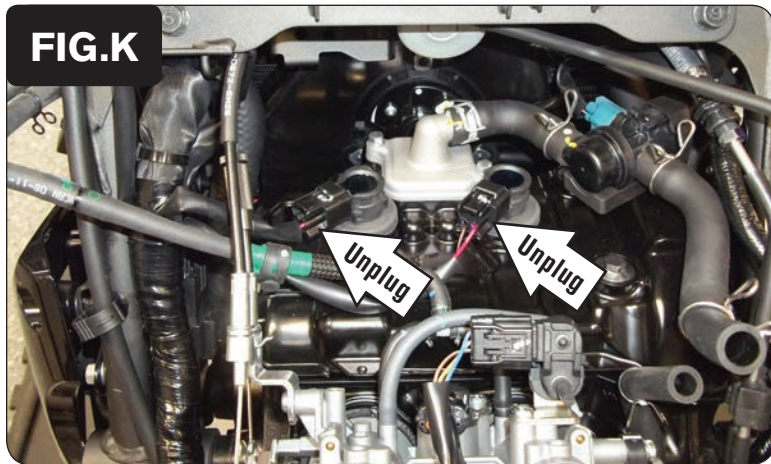


- 11 Locate and unplug the stock Crank Position Sensor connectors (Fig. H).

This is a WHITE 2-pin connector pair located just rear of the engine on the right side of the bike.



- 12 Plug the PCV wiring harness in-line of the stock CPS connectors (Fig. J).



- 13 Unplug the stock wiring harness from both Ignition Coil sticks (Fig. K).



- 14 Plug the PCV wiring harness in-line of both Ignition Coils and the stock wiring harness (Fig. L).
Connect the pair of PCV leads with GREEN colored wires to the left cylinder coil.
Connect the pair of PCV leads with BLUE colored wires to the right cylinder coil.
- 15 Reinstall the airbox, the fuel tank, the bodywork, and seats.