

[POWER COMMANDER V]

FUEL AND IGNITION

2018-2019 Husqvarna Vitpilen 701

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!

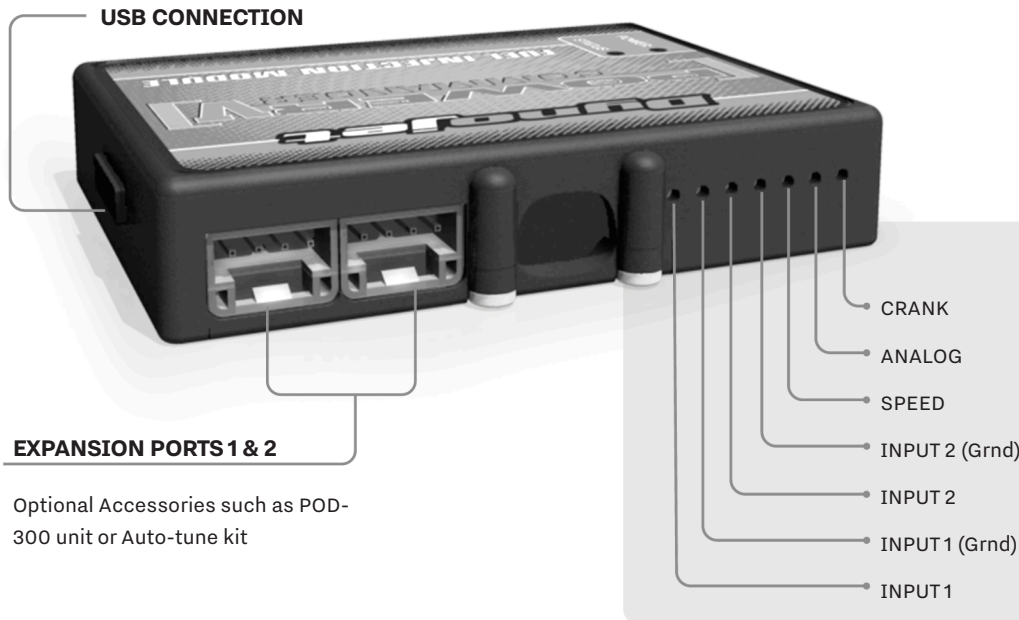
YOU CAN ALSO DOWNLOAD THE
POWER COMMANDER SOFTWARE AND
LATEST MAPS FROM OUR WEB SITE AT:
www.powercommander.com

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

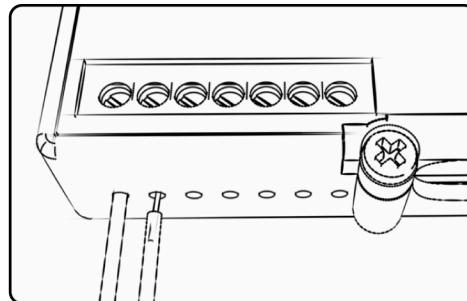


EXPANSION PORTS 1 & 2
Optional Accessories such as POD-300 unit or Auto-tune kit

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-

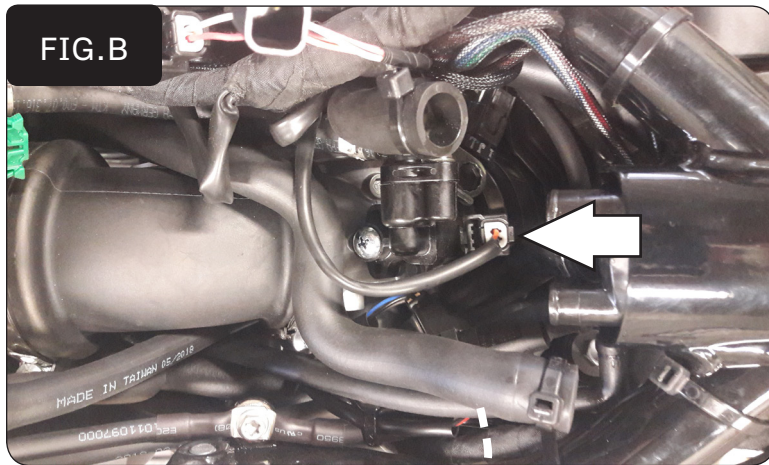
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Crank-

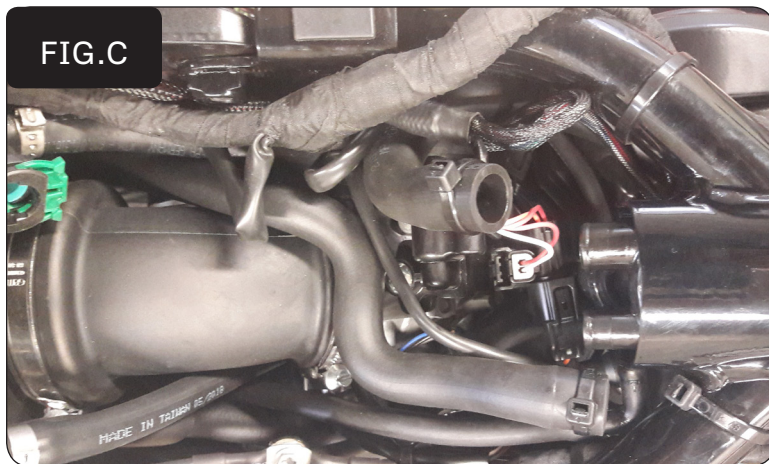
Do **NOT** connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.



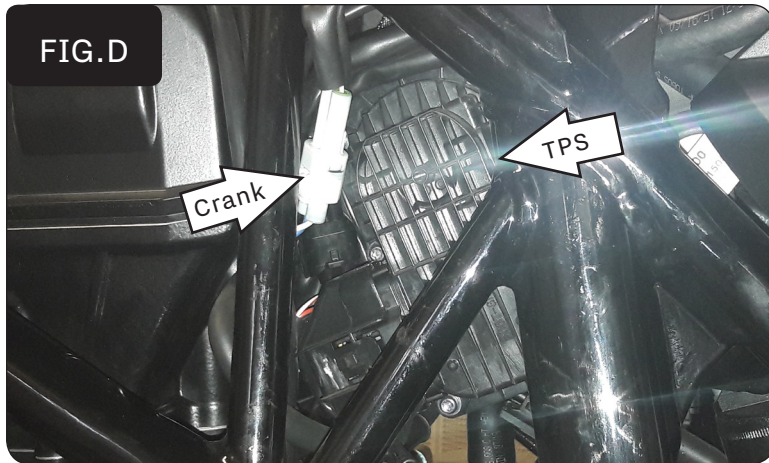
- 1 Remove the seat. Remove the fuel tank cover and fuel tank.
- 2 Install the PCV on top of the battery using the stock strap to secure the PCV in place (Fig. A).
- 3 Route the PCV harness down the left side of the motorcycle going towards the throttle body.
- 4 Attach the ground wire of the PCV to the negative (-) side of the battery.



- 5 Unplug the stock wiring harness from the fuel injector (Fig. B).
Disconnecting the rubber vent hoses will gain easier access to the injector.



- 6 Plug the PCV in-line of the stock injector and wiring harness (Fig. C).



- 7 Unplug the wiring harness from the throttle body (Fig. D).
This is a BLACK 6 pin connector on the left hand side of the throttle body.
- 8 Unplug the crank position sensor (Fig. D).
This is a WHITE 2 pin connector next to the TPS



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



- 11 Route the remaining PCV harness to the right side of the motorcycle.
- 12 Unplug the stock wiring harness from each ignition coil stick (Fig. F).



- 13 Plug the pair of PCV wiring harness leads with GREEN colored wires in-line of the inner coil stick and the stock BLACK 2-pin coil connector.
- 14 Plug the pair of PCV wiring harness leads with BLUE colored wires in-line of the outer coil stick and the stock WHITE 2-pin coil connector (Fig. G).
- 15 Reinstall the fuel tank, covers, and the seat.