

POWER COMMANDER 6

Install Guide for: PC6-23017

Model coverage: 2019-2020 Husqvarna Vitpilen 701

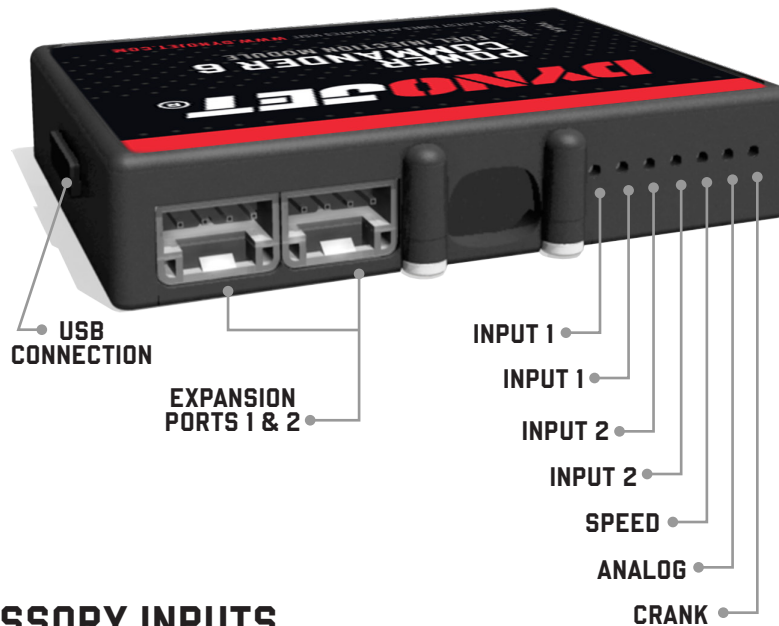
PARTS LIST

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**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



INPUT ACCESSORY GUIDE



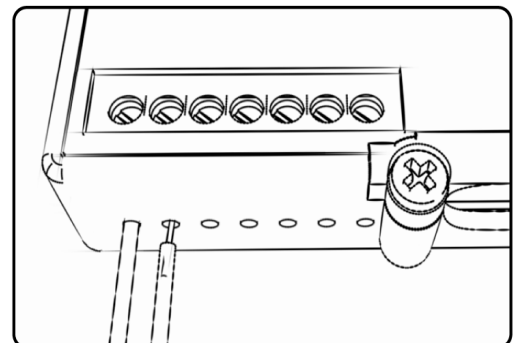
OPTIONAL ACCESSORY INPUTS

- Map** (Input 1 or 2) The PC6 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.
- Shifter** (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to 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 Power Core software.
- Launch** You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

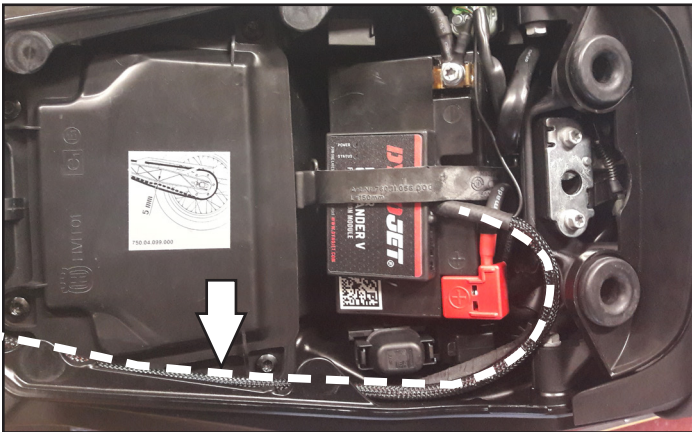
WIRE CONNECTIONS

To input wires into the PC6 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 PC6 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.



INSTALLING THE POWER COMMANDER 6



INSTALL PC6

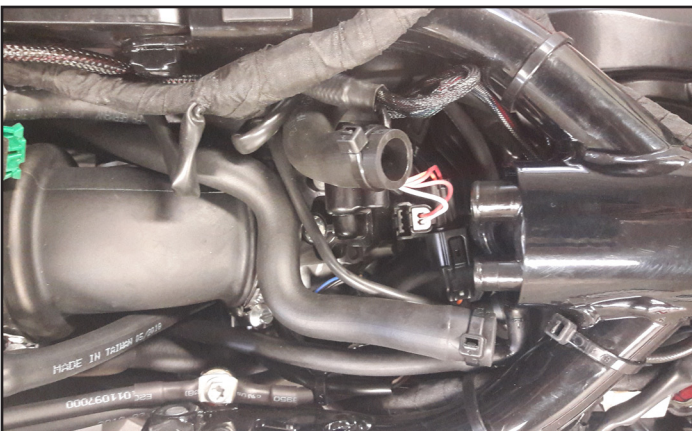
- 1 Remove the seat. Remove the fuel tank cover and fuel tank.
- 2 Install the PC6 on top of the battery using the stock strap to secure the PC6 in place.
- 3 Route the PC6 harness down the left side of the motorcycle going towards the throttle body.
- 4 Attach the ground wire of the PC6 to the negative (-) side of the battery.



UNPLUG INJECTOR

- 5 Unplug the stock wiring harness from the fuel injector.

Disconnecting the rubber vent hoses will gain easier access to the injector.



CONNECT TO INJECTOR

- 6 Plug the PC6 in-line of the stock injector and wiring harness.

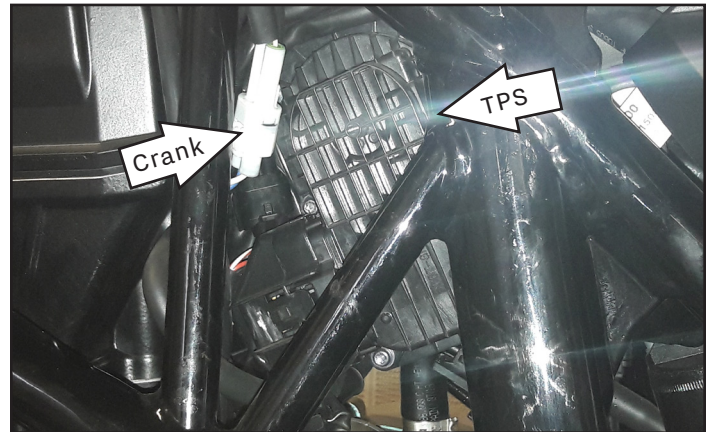
INSTALLING THE POWER COMMANDER 6

- 7 Unplug the wiring harness from the throttle body.

This is a BLACK 6 pin connector on the left hand side of the throttle body.

- 8 Unplug the crank position sensor.

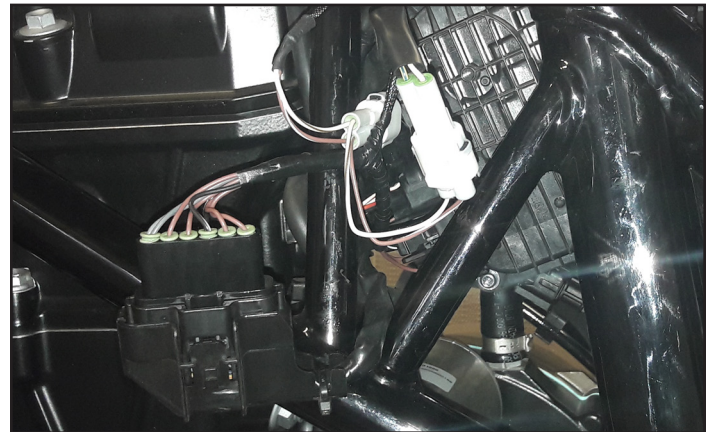
This is a WHITE 2 pin connector next to the TPS



UNPLUG CPS & TPS

- 9 Plug the PC6 in-line of the stock TPS and wiring harness.

- 10 Plug the PC6 in-line of the stock CPS and wiring harness.



CONNECT TO CPS & TPS

- 11 Route the remaining PC6 harness to the right side of the motorcycle.

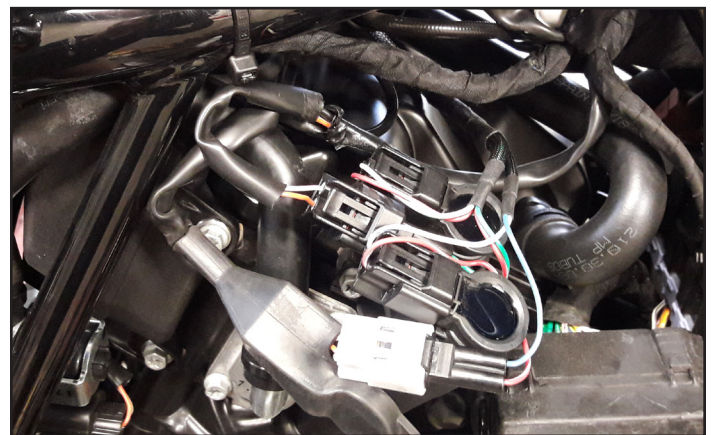
- 12 Unplug the stock wiring harness from each ignition coil stick.

- 13 Plug the pair of PC6 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 PC6 wiring harness leads with BLUE colored wires in-line of the outer coil stick and the stock WHITE 2-pin coil connector.

- 15 Reinstall the fuel tank, covers, and the seat.

- 16 Affix the supplied CARB E.O. label to a conspicuous area. Next to the original emissions label is a good location. Make sure to clean the surface before attaching.



CONNECT TO COILS

To download tunes go to dynojet.com/tunes



PUSH THE LIMIT

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