

POWER COMMANDER 6

Installation Guide for: PC6-17034

Model coverage: 2006-2020 Kawasaki Vulcan 2000

PARTS LIST



- | | | | |
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| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

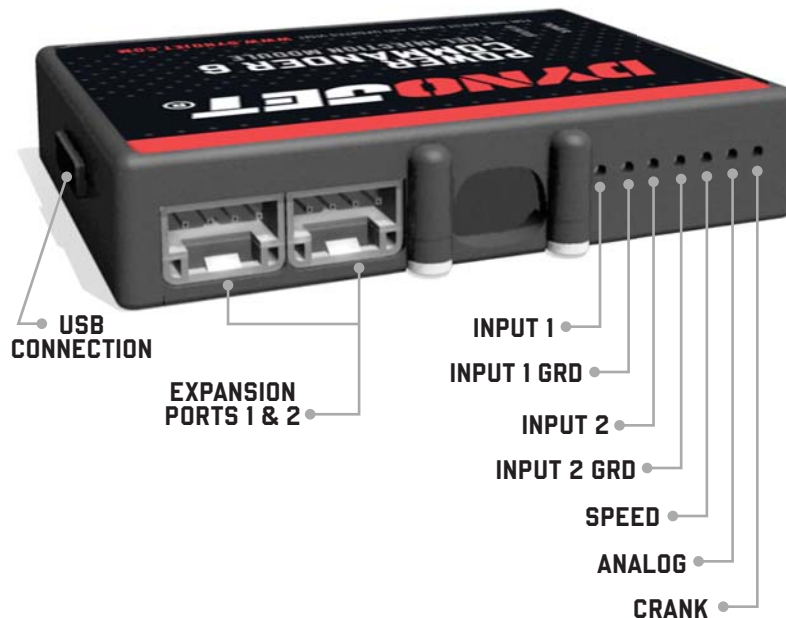
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-17034.01



INPUT ACCESSORY GUIDE



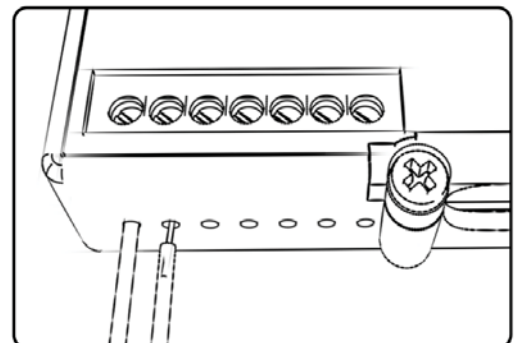
OPTIONAL ACCESSORY INPUTS

- 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** Not needed on Harley applications as the speed signal wire is built into the main wiring harness of the PC6.
- 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



- 1 Remove the main seat and the passenger seat.
- 2 Remove the chrome left hand engine cover below the fuel tank.
- 3 Remove the fuel tank.
To remove the fuel line squeeze the orange tabs of the connector and push in.
- 4 Unplug the 4 electrical connectors.

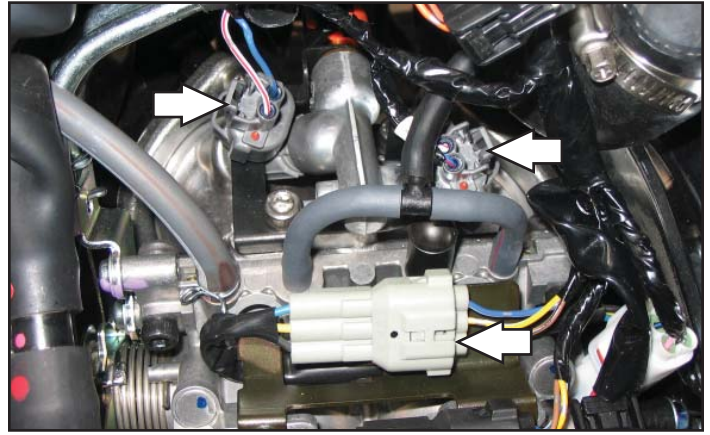


- 5 Lay the PC6 in the battery area and route the PC6 harness towards the front of the bike.
- 6 Attach the ground lead from the PC6 with the small ring lug to the stock common ground to the right side of the seat bracket.



- 7 Route the PC6 along the frame following the stock harness. Run the PC6 harness through the stock wiring harness guides.

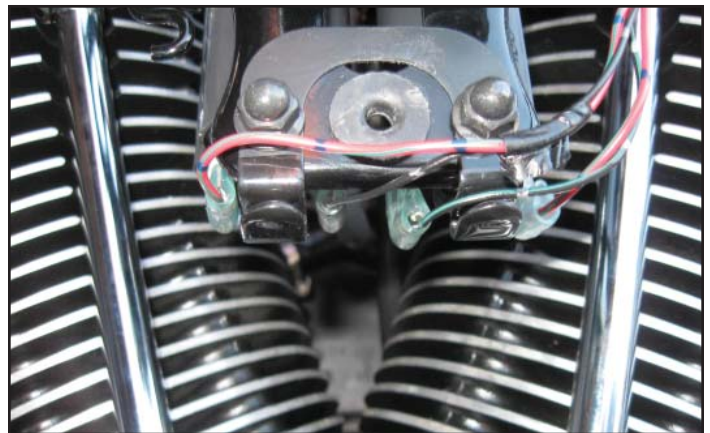
- 8 Locate the throttle body which is under the fuel tank.
Unplug the stock wiring harness from each injector.
- 9 Unplug the stock Throttle Position Sensor connector.
This is a GREY 3-pin connector.



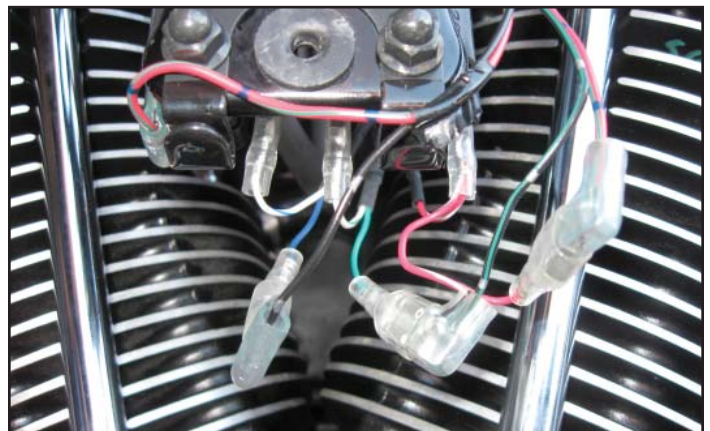
- 10 Plug the PC6 harness in line of the stock wiring harness and throttle body connections.
- The ORANGE colored wires from the PC6 go to the front cylinder.



- 11 Locate the stock ignition coils under the left hand cosmetic engine cover.



- 12 Unplug the BLACK/GREEN wire from the coils. Plug the BLUE colored wires from the PC6 in-line of the ignition coil and stock wiring harness.
- 13 Unplug the BLACK wire from the coils. Plug the GREEN colored wires from the PC6 in-line of the ignition coil and stock wiring harness.
- 14 Unplug one of the RED/GREEN wires from the coils. Plug the RED colored wires from the PC6 in-line of the ignition coil and stock wiring harness.





- 15 Route the PC6 harness down along the left side of the frame using the stock cable guides to secure the harness.



- 16 Remove the plastic cover on the left, front of the engine near the floorboard.



- 17 Unplug the stock Crank Pickup Coil sensor.
This is a BLACK 3-pin connector underneath the cover you removed in step 16.



- 18 Plug the PC6 connectors in-line of the stock wiring harness and crank connector.
- 19 Reinstall the plastic cover.

- 20 Using the supplied Velcro, secure the PC6 to the plastic cover near the rear shock.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

- 21 Reinstall the fuel tank and seat.

Download the latest map files from our web site at dynojet.com/tunes.





**PUSH
THE
LIMIT**

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