

POWER COMMANDER 6

Installation Guide for: PC6-17064

Model coverage: 2015-2022 Kawasaki Vulcan 1700

PARTS LIST

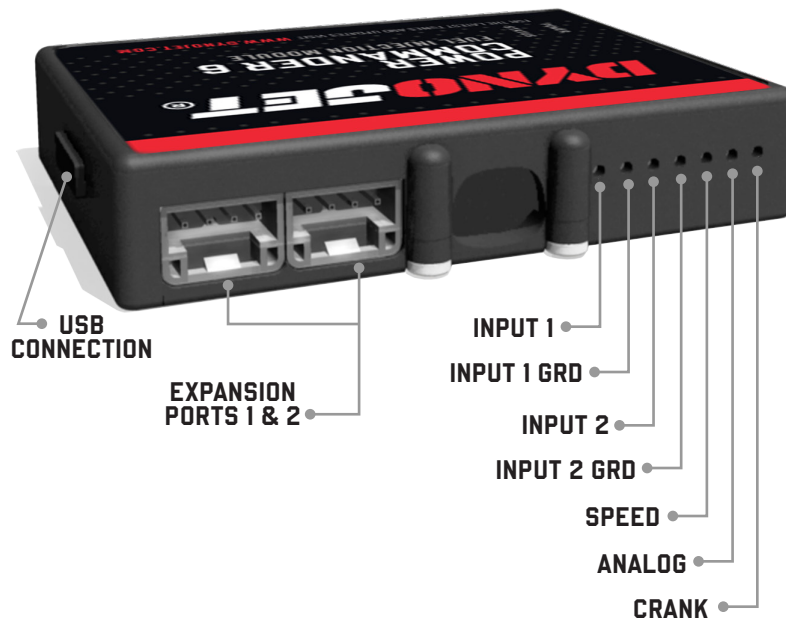


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|----------------------|--------------------------|
| 1 POWER COMMANDER 6 | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 DYNOJET DECALS | 3 POSI-TAPS |

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



INPUT ACCESSORY GUIDE



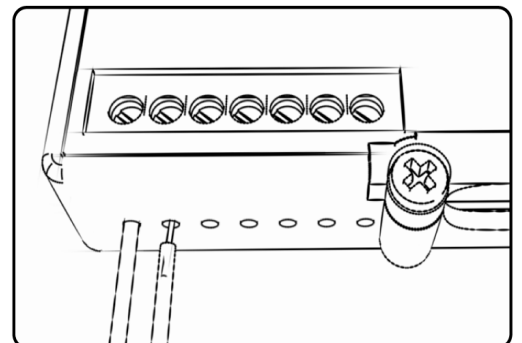
OPTIONAL ACCESSORY INPUTS

- 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** 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.

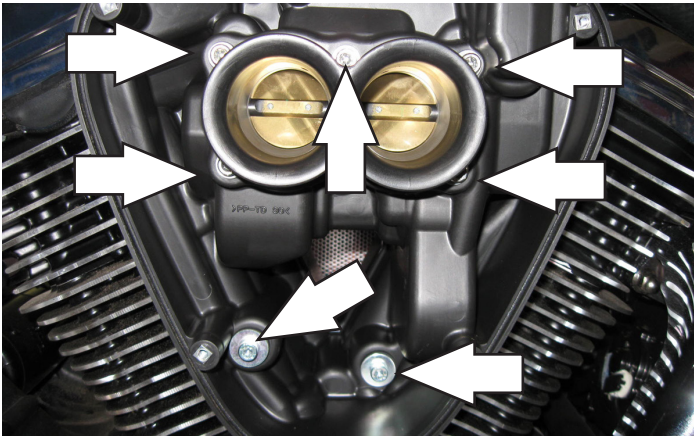
WIRE CONNECTIONS

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.

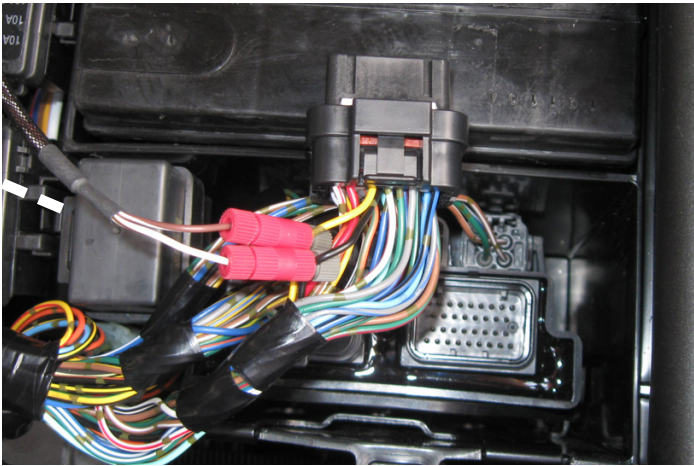


INSTALLING THE POWER COMMANDER 6



REMOVE AIRBOX

- 1 Remove the seats and right side panel.
- 2 Remove the chrome airbox cover on the right side of the bike.
- 3 Remove the airbox by removing the 7 allen bolts.



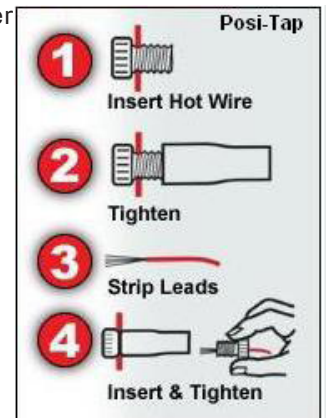
CONNECT TO HARNESS

- 4 Remove the battery cover and locate the stock ECU.

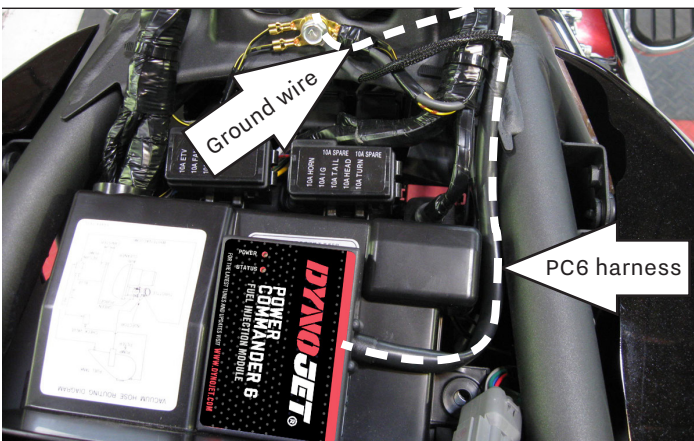
- 5 Using the supplied posi-taps attach the PC6 harness to the stock wiring harness.

PC6 BROWN/WHITE to stock YELLOW

PC6 WHITE/BROWN to stock BLACK



- 6 Secure the PC6 to the top of the battery cover using the supplied velcro.
Use the alcohol swab to clean both surfaces before attaching.
- 7 Route the PC6 harness down the right side of the bike.
- 8 Attach the ground wire of the PC6 to the ground junction in front of the fuse box assembly.

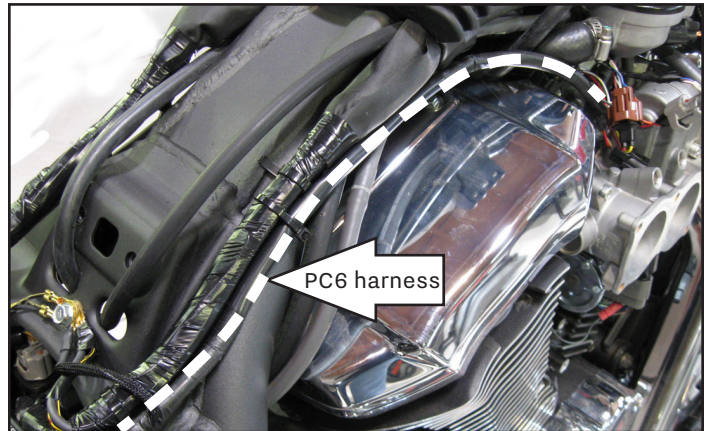


ROUTE PC6 HARNESS

INSTALLING THE POWER COMMANDER 6

- 9 Route the PC6 harness along the main wiring harness .

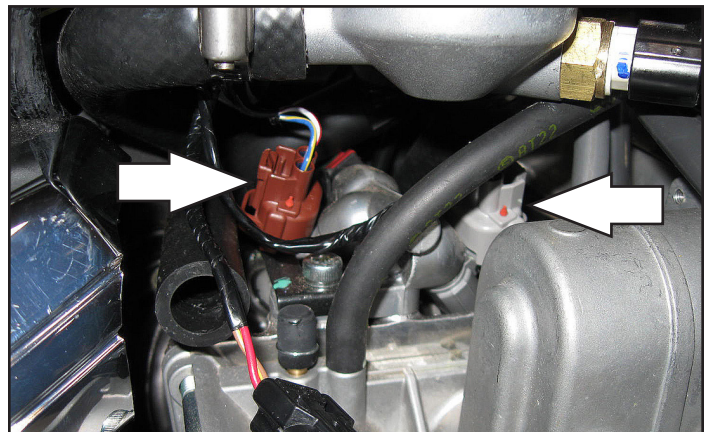
This picture was taken with the tank off. The fuel tank does NOT need to be completely removed to perform this installation; but it may help.



ROUTE HARNESS

- 10 Unplug the stock wiring harness from each one of the injectors.

Take note of the orientation of these connectors. The BROWN connector goes to the rear injector.



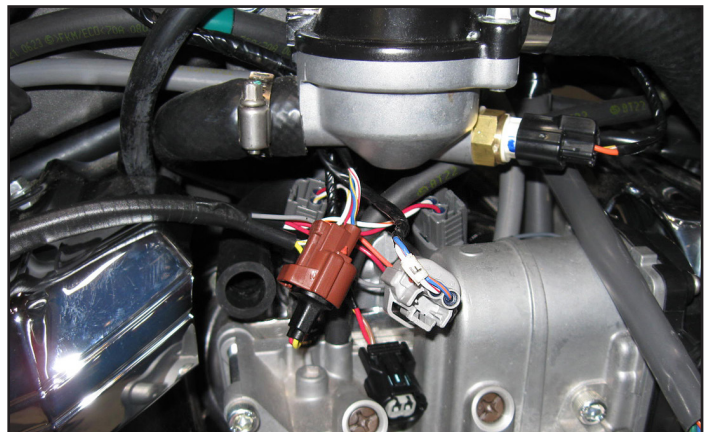
UNPLUG INJECTORS

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

PC6 harness:

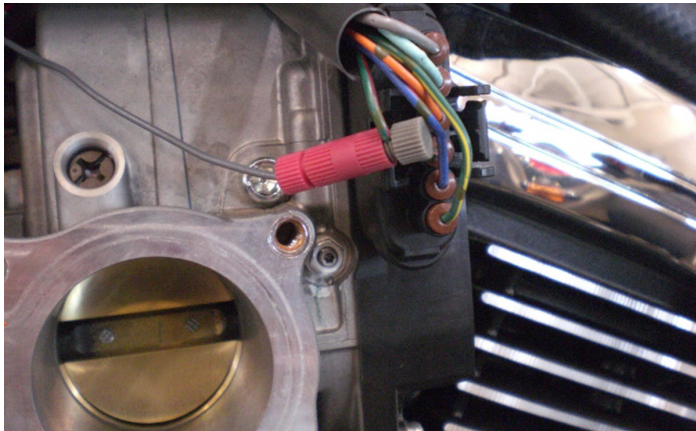
ORANGE wires go to the front injector (GREY)

YELLOW wires go to the rear injector (BROWN)



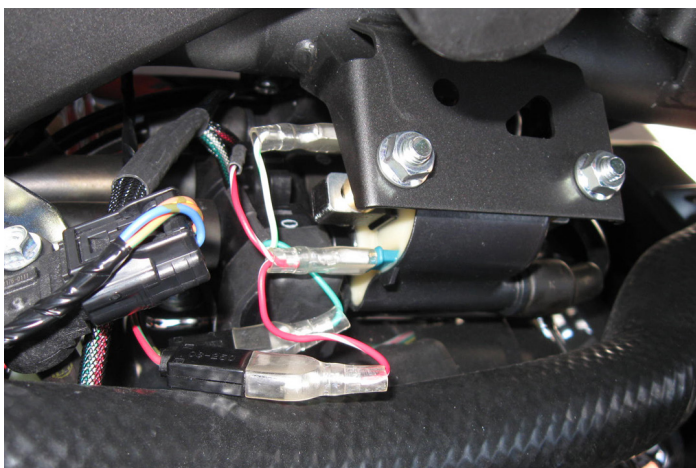
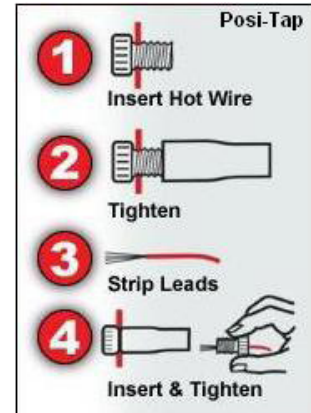
CONNECT TO INJECTORS

INSTALLING THE POWER COMMANDER 6



CONNECT TO TPS

- 12 Attach the GREY wire of the PC6 to the stock GREEN/RED wire of the Throttle Body Servo connector.



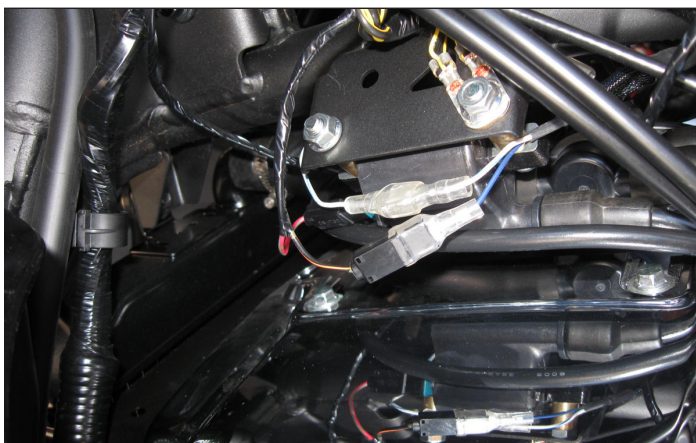
CONNECT TO RH COIL

- 13 Plug the PC6 harness in-line of the stock wiring harness and the right hand ignition coil.

PC6 harness:

RED wires go to RED/GREEN wires of coil

GREEN wires go to BLACK wires of coil



CONNECT TO LH COIL

- 14 Plug the PC6 harness in-line of the stock wiring harness and the left hand ignition coil.

PC6 harness:

BLUE wires go to BLACK/ORANGE wires of coil.

- 15 Reinstall airbox and seat.

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



PUSH THE LIMIT

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