

POWER COMMANDER 6

Install guide for: PC6-17072

Model coverage: 2017-2020 Kawasaki Z650

PARTS LIST



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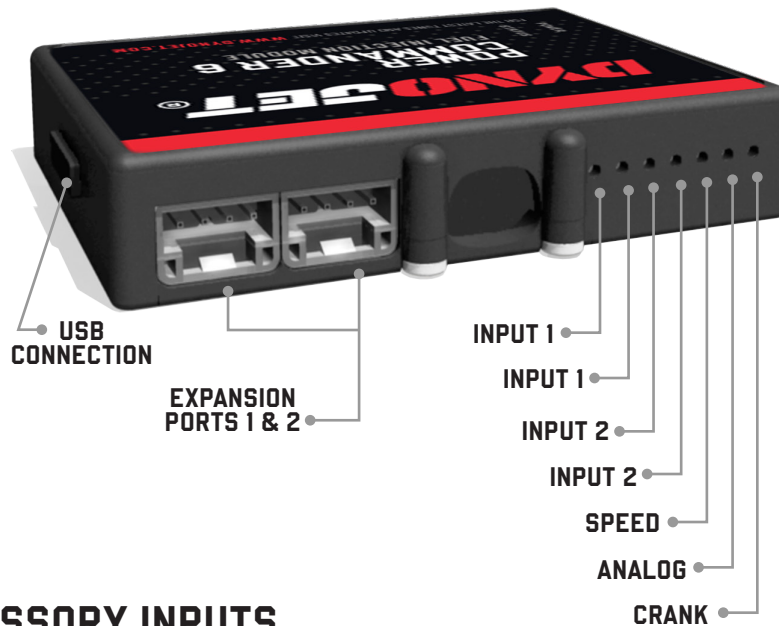
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-17072.01



INPUT ACCESSORY GUIDE



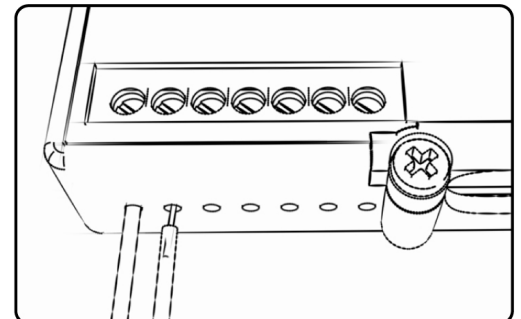
OPTIONAL ACCESSORY INPUTS

- 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** 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.

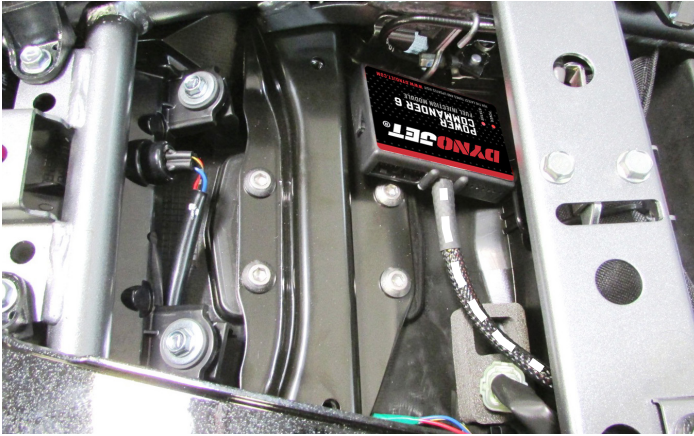
WIRE CONNECTIONS

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.

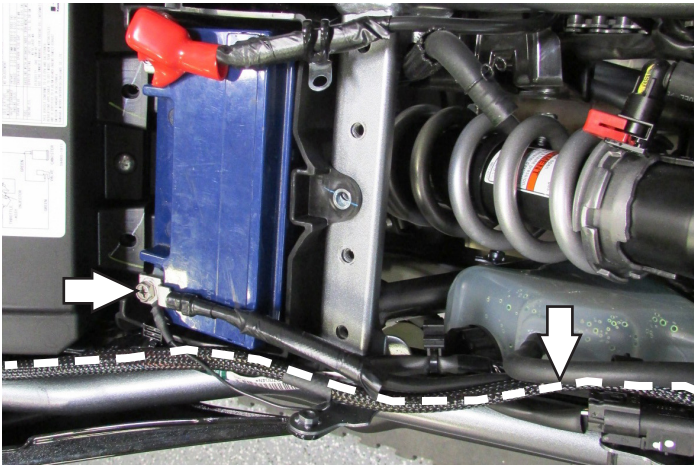


INSTALLING THE POWER COMMANDER 6

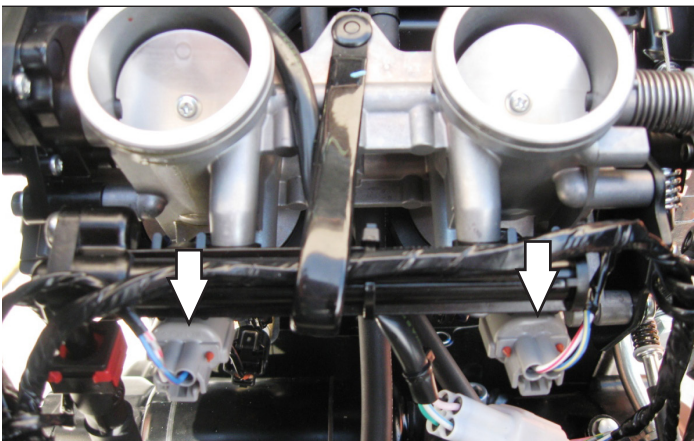


- 1 Remove the seat and side covers. Remove the small cover at the front of the fuel tank. Remove the fuel tank. Loosen the ECM from the air box and remove the air box.
- 2 Use the supplied alcohol swab and Velcro to secure the PC6 module in the tail section.

Clean surfaces with the alcohol swab before attaching the Velcro.



- 3 Route the PC6 harness along the right side frame rail and up towards the throttle bodies.
- 4 Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.

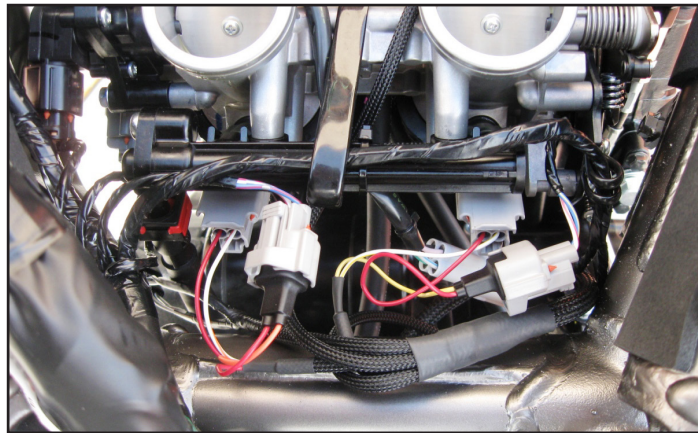


- 5 Unplug the stock wiring harness from the fuel injectors.

- 6 Plug the PC6 connectors in-line of the stock wiring harness and fuel injector for both cylinders.

Plug the PC6 connectors with **ORANGE** colored wires to the left cylinder.

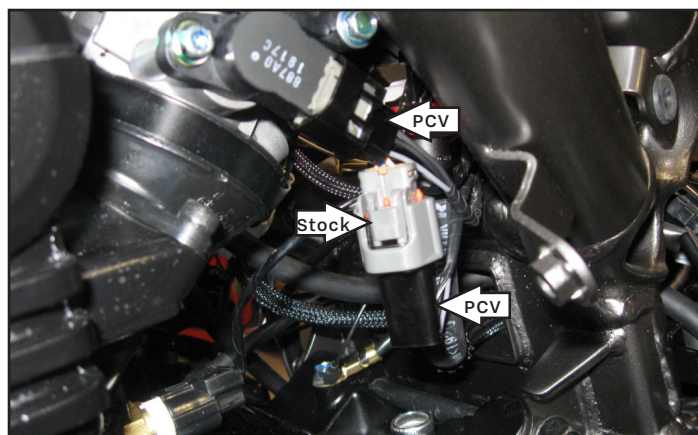
Plug the PC6 connectors with **YELLOW** colored wires to the right cylinder.



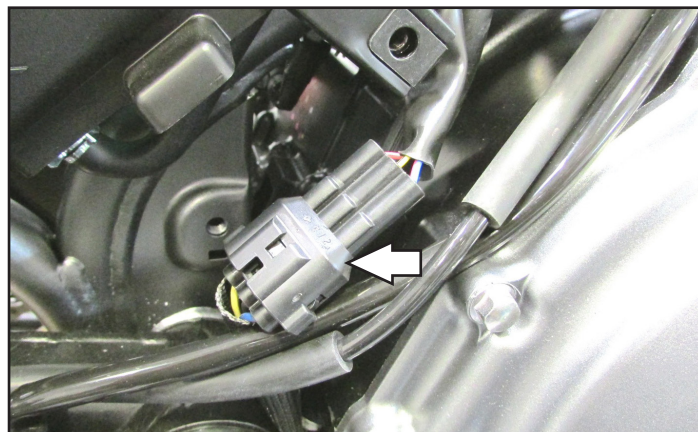
- 7 Locate and unplug the stock wiring harness from the Throttle Position Sensor on the left hand side of the bike's throttle bodies.

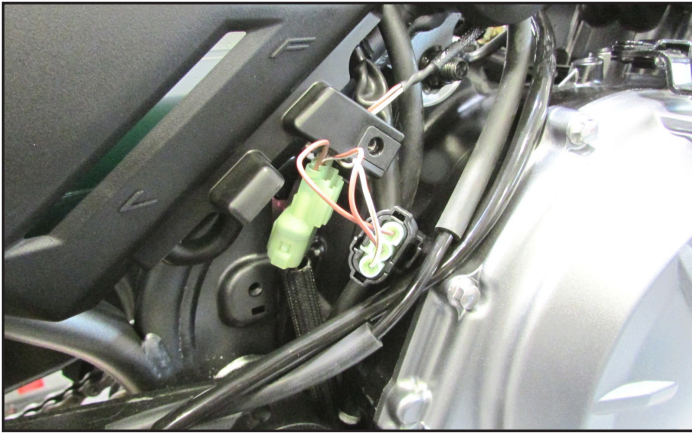


- 8 Plug the PC6 wiring harness in-line of the stock wiring harness and the TPS.

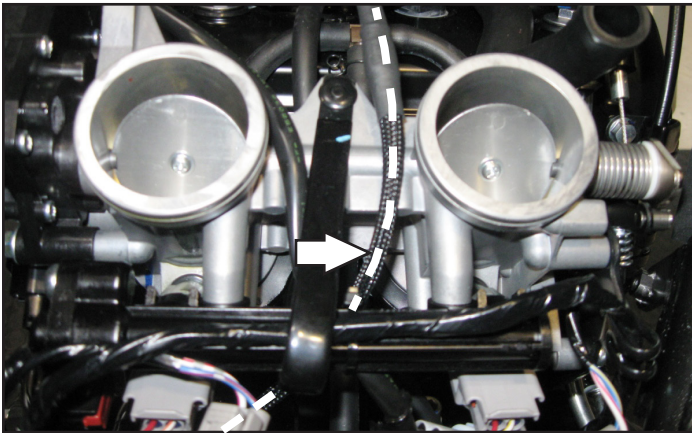


- 9 Locate and unplug the bike's Crank Position Sensor connectors on the right-hand side of the bike.

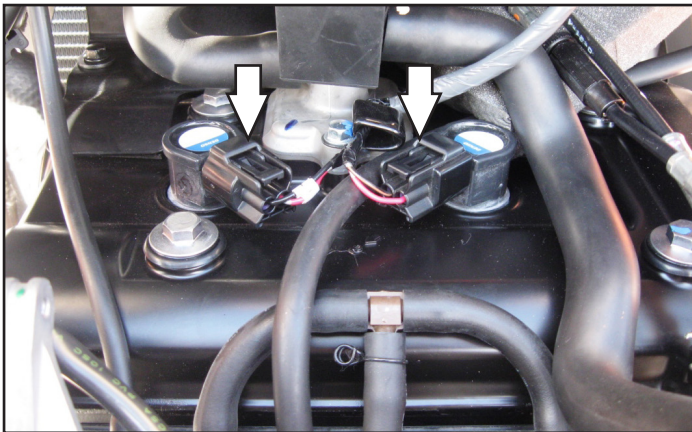




- 10 Plug the PC6 connectors in-line of the stock Crank Position Sensor connectors.



- 11 Route the remainder of the PC6 wiring harness with the coil connectors under the fuel rail, in between the throttle bodies, and up towards the coil sticks.



- 12 Unplug the stock wiring harness from the coil sticks.

- 13 Plug the PC6 wiring harness in-line of the stock wiring harness and the coil sticks.

Plug the PC6 connectors with GREEN colored wires to the left cylinder.

Plug the PC6 connectors with BLUE colored wires to the right cylinder.

- 14 Make sure the wiring harness is free of any hot or moving parts, and reinstall the air box, fuel tank, seat, and body panels.

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

Optional inputs:

Analog Gear - GREEN/RED wire on 3-pin connector above the front sprocket cover.

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



PUSH THE LIMIT

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