

POWER COMMANDER 6

Install guide for: PC6-17047

Model coverage: 2013-2022 Kawasaki Ninja ZX-6R

PARTS LIST

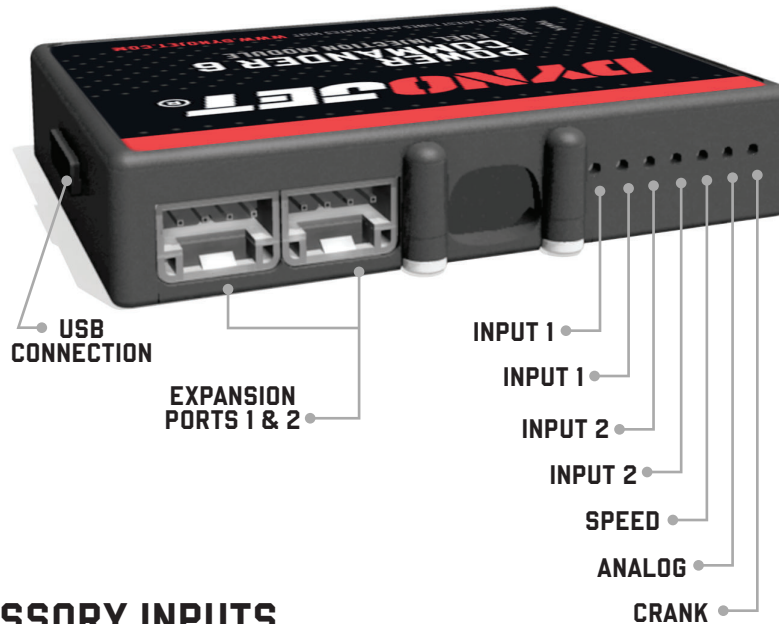


- | | |
|--------------------------|-------------------|
| 1 POWER COMMANDER 6 | 2 VELCRO STRIPS |
| 1 INSTALLATION GUIDE | 1 ALCOHOL SWAB |
| 1 USB CABLE | 1 POSI-TAP |
| 2 DYNOJET DECALS | 1 CARB E.O. LABEL |
| 2 POWER COMMANDER DECALS | |

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



INPUT ACCESSORY GUIDE



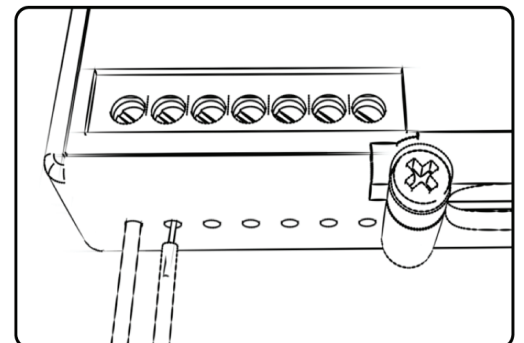
OPTIONAL ACCESSORY INPUTS

- 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.



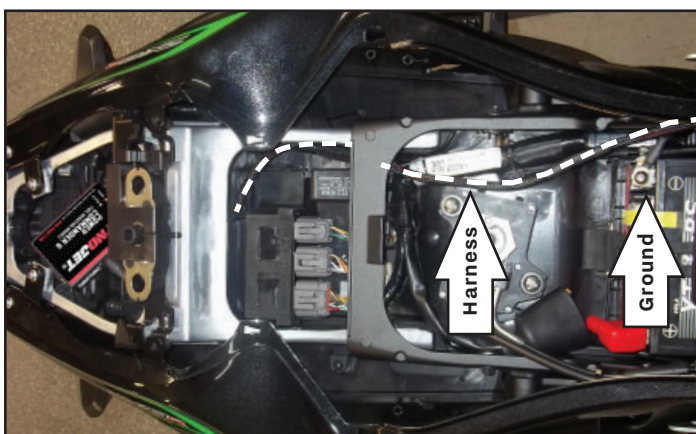
INSTALLING THE POWER COMMANDER 6



INSTALL PC6

- 1 Remove the main seat and the passenger seat.
- 2 Remove the plastic covers from both sides of the fuel tank.
- 3 Remove the fuel tank.
- 4 Remove the airbox.

The bottom clamps of the airbox can be loosened by accessing them through the hole in the frame.

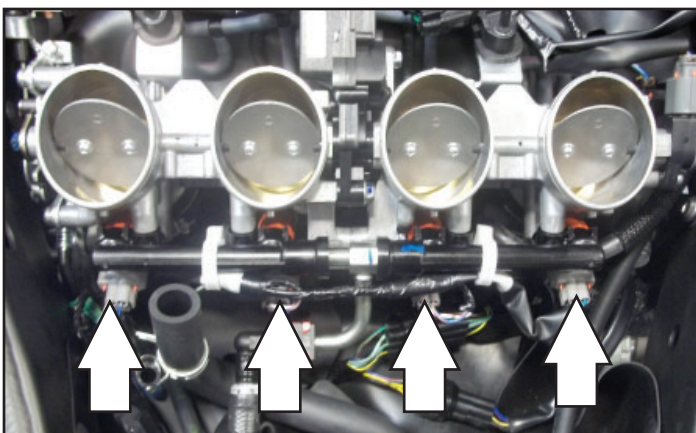


ATTACH GROUND WIRE

- 5 Using the supplied Velcro, secure the PCV in the tail section.

Be sure to clean both surfaces with the supplied alcohol swab prior to applying the Velcro.

- 6 Route the PCV wiring harness towards the throttle bodies down the left hand side of the bike.
- 7 Secure the ground wire with the 6mm ring lug of the PCV wiring harness to the negative terminal of the bike's battery.



UNPLUG INJECTORS

- 8 Unplug the stock wiring harness from each of the fuel injectors.

INSTALLING THE POWER COMMANDER 6

- 9 Plug the PCV wiring harness in-line of the fuel injector and the stock wiring harness.

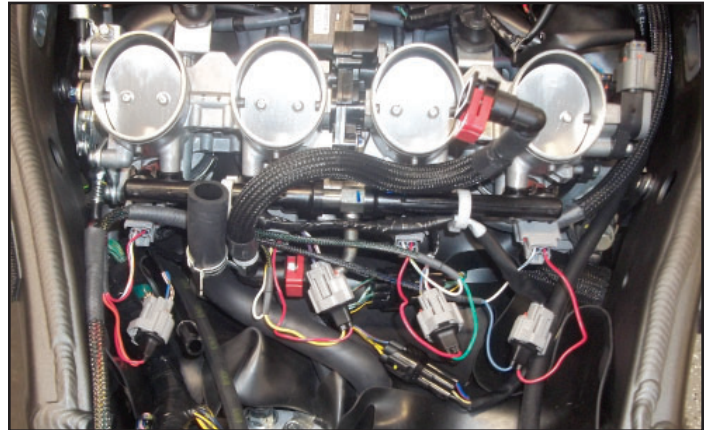
PCV WIRES:

ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

GREEN - cylinder #3

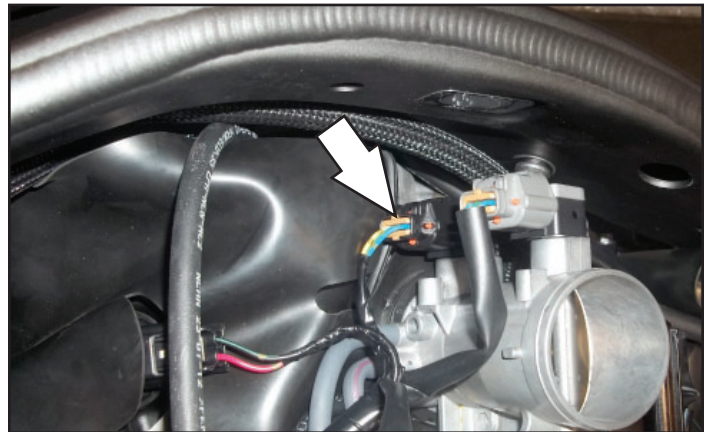
BLUE - cylinder #4 (right)



CONNECT TO INJECTORS

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

This is the lower TPS with the BLACK connector; NOT the upper TPS with the GREY connector.



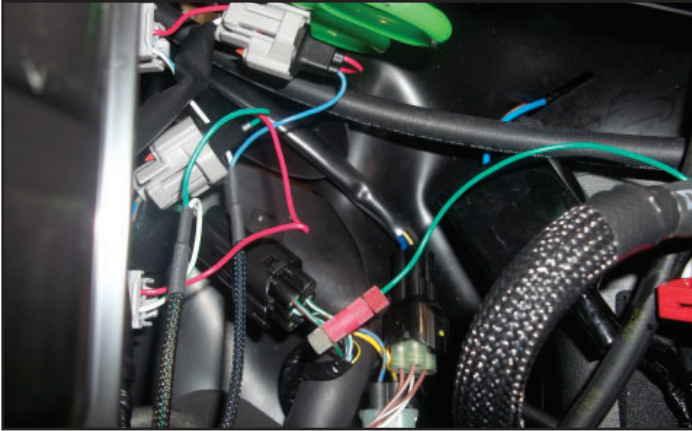
UNPLUG TPS

- 11 Plug the PCV wiring harness in-line of the primary TPS and the stock wiring harness.



CONNECT TO TPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO GPS

- 12 Use the supplied Posi-tap to attach the BLUE/WHITE wire of the PCV wiring harness to the stock GREEN/RED wire of the bike's Gear Position Sensor.

This GREEN/RED wire is on a BLACK 6-pin connector located under the #3 and #4 primary fuel injectors.

This gear input connection is only required if using gear dependent features of the PCV, such as Gear Dependent mapping, Gear Dependent Quickshifter kill times, or viewing the live Gear Position gauge from the computer software or POD-300 accessory.

- 13 Reinstall bodywork.
- 14 Affix the supplied CARB E.O. label to a conspicuous area. The best location is next to the original emissions label. Make sure to clean the surface before attaching the label.



**PUSH
THE
LIMIT**

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