

POWER COMMANDER 6

Installation Guide for: PC6-17005

Model coverage:

2012-2022 Kawasaki Ninja ZX-14R

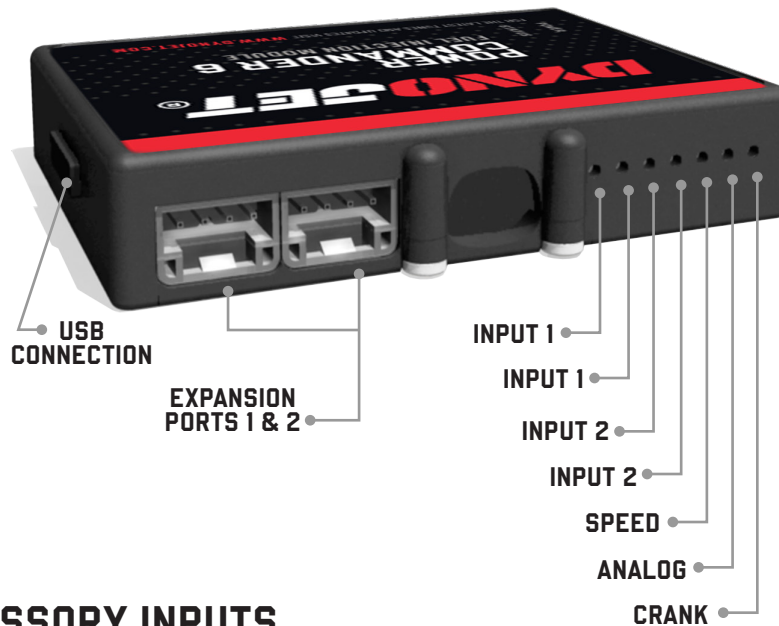
PARTS LIST

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

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



INPUT ACCESSORY GUIDE



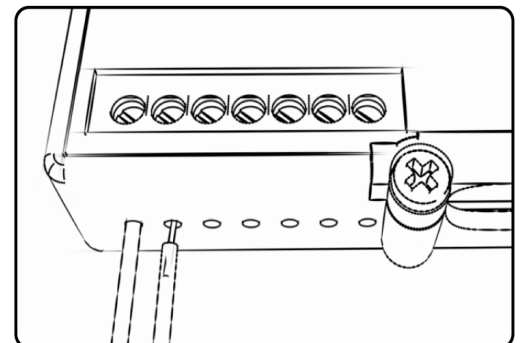
OPTIONAL ACCESSORY INPUTS

- 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.

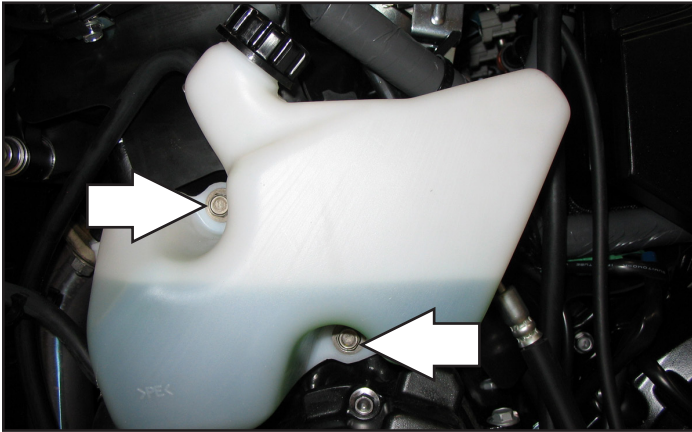
WIRE CONNECTIONS

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.



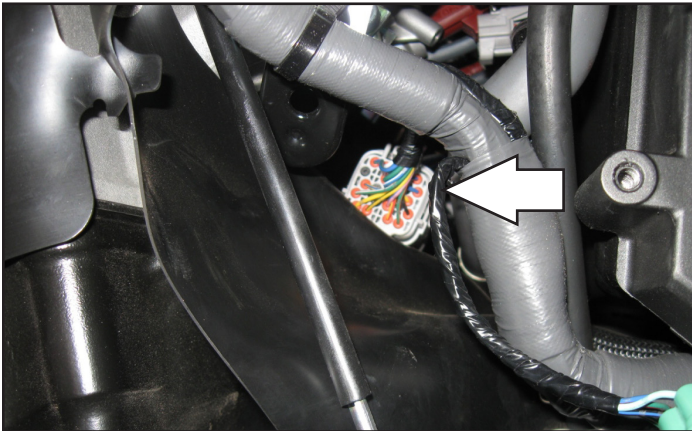
INSTALLING THE POWER COMMANDER 6



REMOVE COOLANT BOTTLE

- 1 Remove the left and right side fairings, both inner fairings, the upper fuel tank cover, and ram air duct covers on both sides.
- 2 Remove the bolts that hold the coolant reserve bottle to the engine.

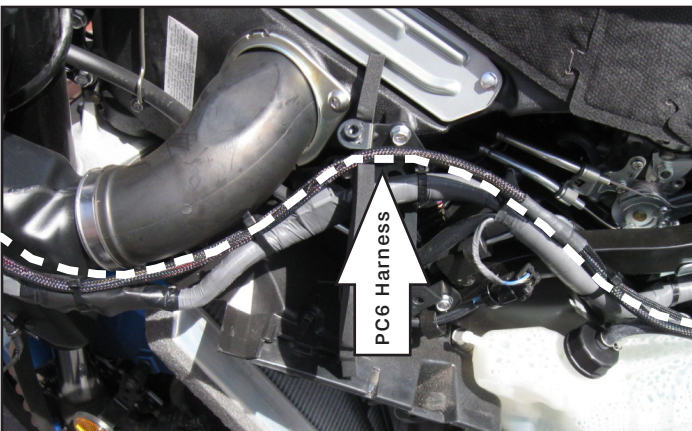
Let the bottle hang out of the way temporarily.



UNPLUG INJECTOR CONNECTOR

- 3 Disconnect the stock wiring harness from the throttle body harness.

These connectors are GREY in color and are located under the throttle bodies.



ROUTE PC6 HARNESS

- 4 Lay the PC6 next to the gauge panel temporarily and route the PC6 harness along the stock wiring harness on the left side of the bike to the throttle body connection.

Use the supplied zip-ties to secure the PC6 wiring harness to the stock wiring harness.

INSTALLING THE POWER COMMANDER 6

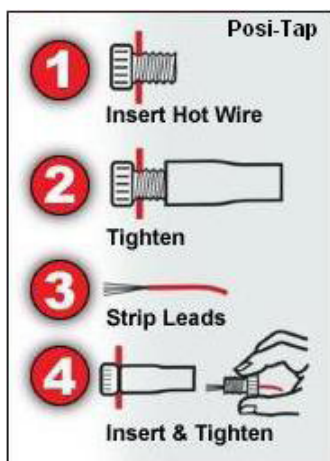
- 5 Connect the PC6 in-line of the stock wiring harness and throttle body harness.



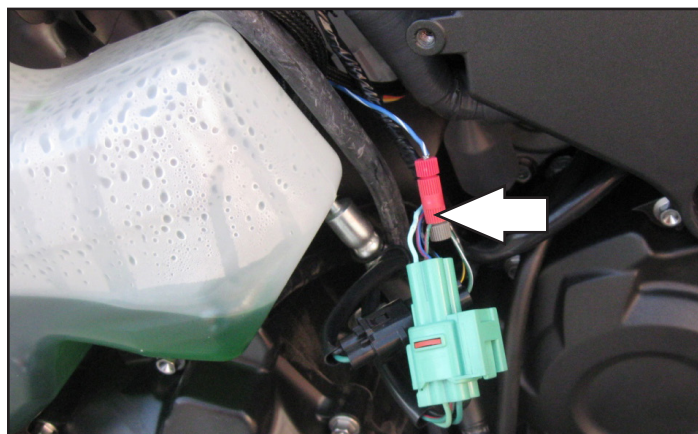
CONNECT TO INJECTORS

- 6 Use the supplied Posi-Tap to attach the BLUE/WHITE wire from the PC6 to the GREEN/RED wire of the stock Gear Position Sensor.

The connector is located on the left side of the bike near the front sprocket cover.



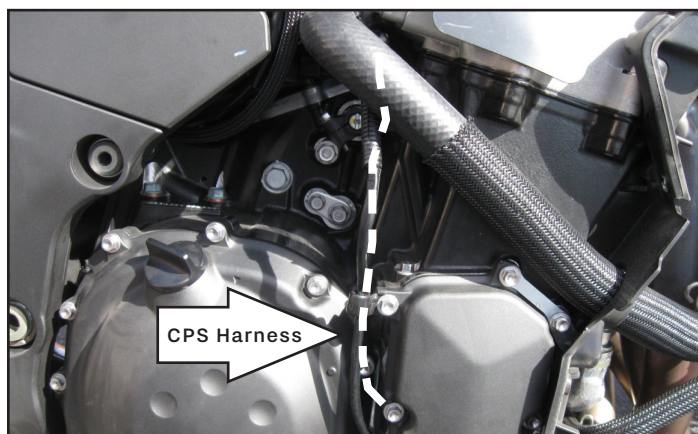
- 7 Route the remainder of the PC6 wiring harness with the 2-pin crank connectors and ground lug under the throttle bodies to the right side of the bike.



CONNECT TO GPS

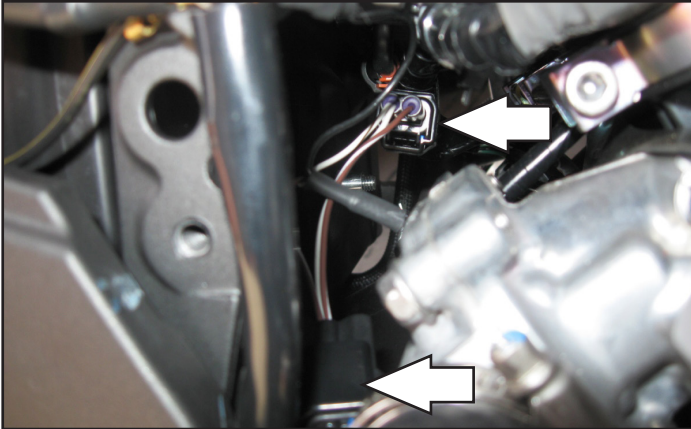
- 8 Locate and unplug the bike's Crank Position Sensor connectors.

This is a BLACK 2-pin connector under the #3 throttle body, that is taped to the throttle body wiring harness. You can trace the wiring harness coming out of the right hand side flywheel cover to this connector.



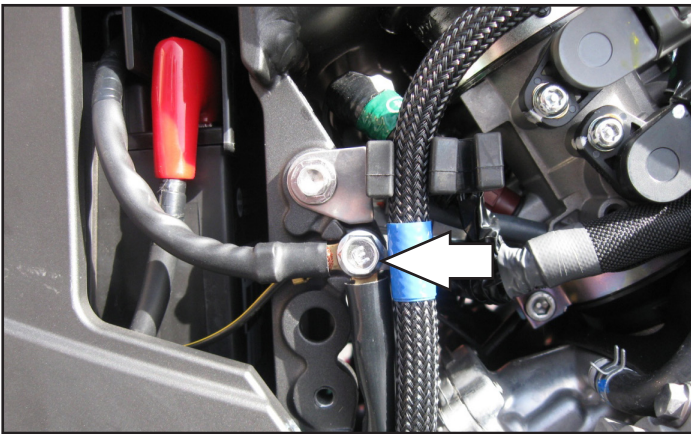
UNPLUG CPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO CPS

- 9 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.



ATTACH GROUND

- 10 Secure the PC6 ground wire with the small ring lug to the stock ground bolt on the right hand side of the bike .
- 11 Reinstall the coolant reserve bottle.
- 12 Install the PC6 module to the left hand ram air duct. Use the supplied velcro to secure the PC6 module.

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

- 13 Reinstall the body panels.

NOTE: This bike uses a servo to hold the throttle plate open during cold starts. If the throttle position needs to be reset, make sure the bike is running at normal operating temperature before resetting the throttle position in the PC6 software.

If you have a 2016+ model make sure to download the corresponding map for your model.

Optional inputs:

Engine Temperature - ORANGE wire of temperature connector on back of cylinder #3

12v source for Auto-tune - BROWN/YELLOW wire of BLACK 10-pin connector, located under LH ram air duct (near PC6 install)



INSTALL PC6



PUSH THE LIMIT

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