

POWER COMMANDER 6

Install guide for: PC6-17067

Model coverage:

2016-2019 Kawasaki Ninja ZX-10R

PARTS LIST

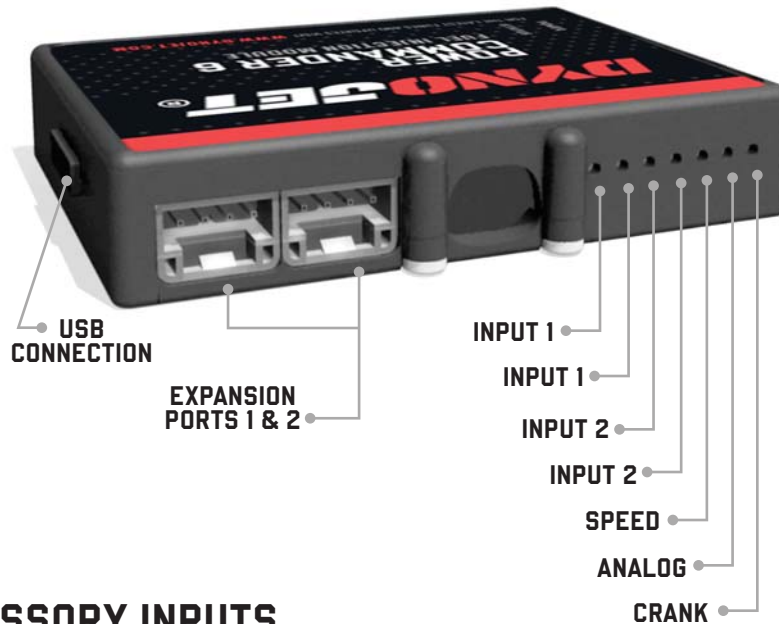


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| 1 | POWER COMMANDER 6 | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | 1 | POSI-TAP |

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



INPUT ACCESSORY GUIDE



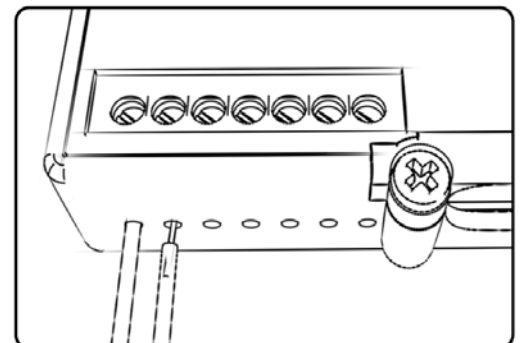
OPTIONAL ACCESSORY INPUTS

- 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.

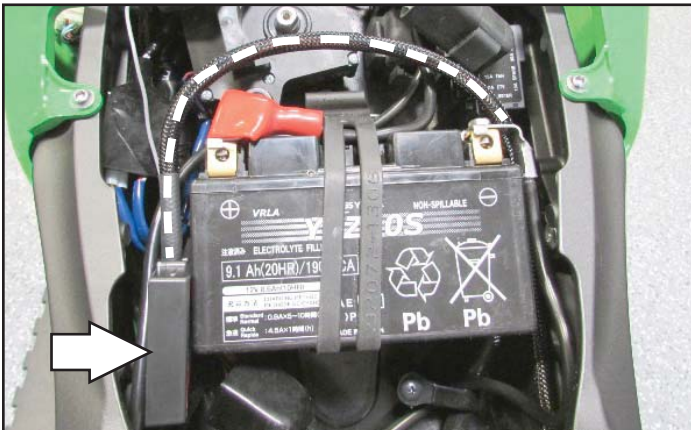
WIRE CONNECTIONS

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.

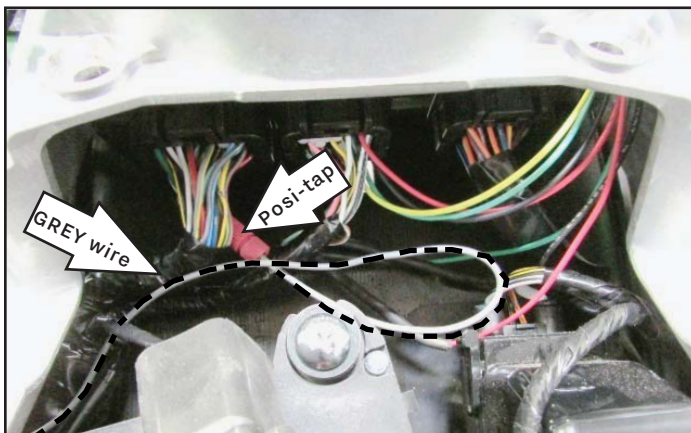
NOTE: If you tin the wires with solder it will make inserting them easier.



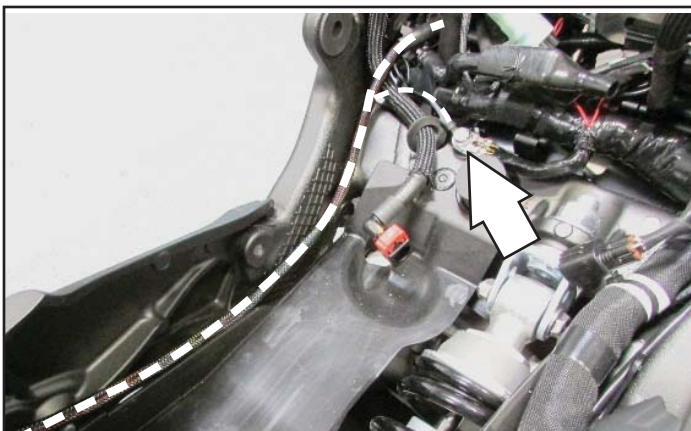
INSTALLING THE POWER COMMANDER 6



REMOVE PANELS



CONNECT TO TPS



ATTACH GROUND WIRE

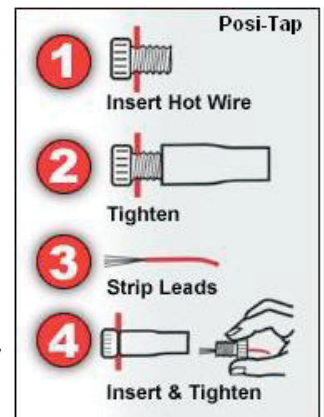
- 1 Remove both of the seats and the bodywork at the top of the tail section.
- 2 Remove the bodywork around the fuel tank and the fuel tank itself.
- 3 Secure the PC6 to the right side of the battery using the supplied Velcro.

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

- 4 Route the PC6 wiring harness around the back of the battery and then forward towards the engine following inside the frame on the left hand side.

- 5 Unplug the right most ECU connector.

The bike's ECU is in the back of the tail section. This connector can be unplugged without removing the plastic around the top of the ECU, but it does help.



- 6 Use the supplied Posi-tap to attach the GREY wire of the PC6 wiring harness to the stock PURPLE wire (pin #20) of the right most ECU connector.
- 7 After attaching the GREY wire, plug the connector back on to the ECU.
- 8 Secure the PC6 ground wire with the small ring terminal to the stock common ground bolt on the frame near the upper shock mount.

INSTALLING THE POWER COMMANDER 6

- 9 Unplug the stock Gear Position Sensor connectors.

These connectors are located on the left side of the engine. This is a BLACK 3-pin connector pair.



UNPLUG GEAR SENSOR

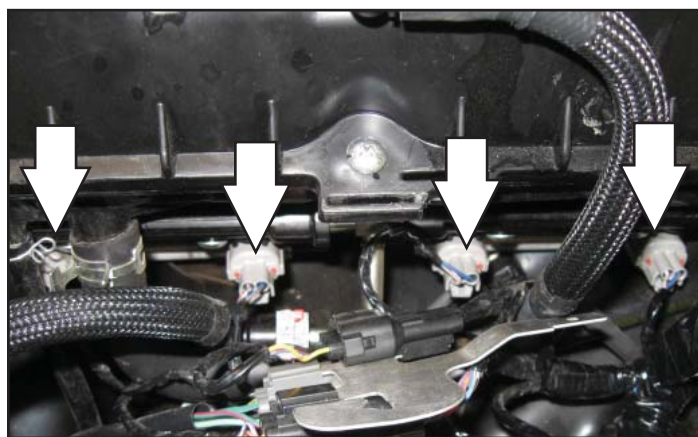
- 10 Plug the PC6 wiring harness in-line of the stock Gear Position Sensor connectors.



CONNECT TO GPS

- 11 Loosen the small metal bracket from the back side of the airbox.
- 12 Unplug the stock wiring harness from all four of the lower primary Fuel Injectors.

These are the lower injectors that have the GREY connectors; NOT the upper secondary injectors that have the BROWN connectors.

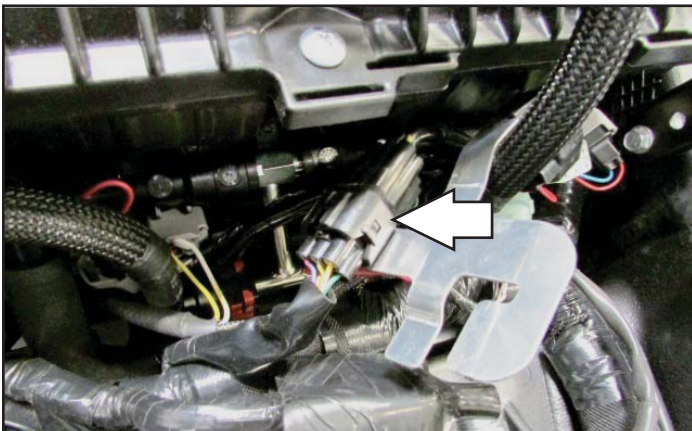


UNPLUG INJECTORS

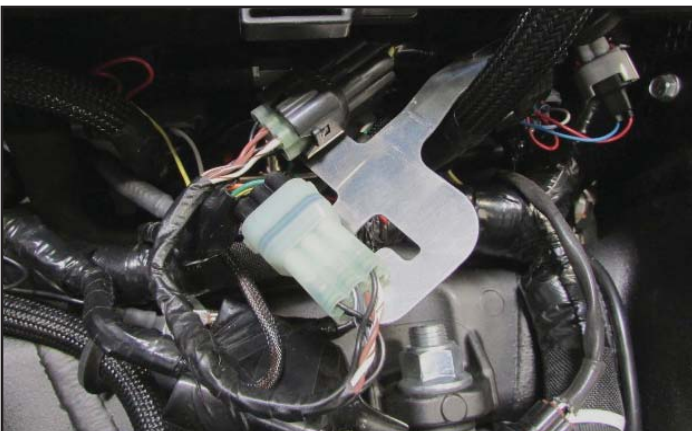
INSTALLING THE POWER COMMANDER 6



CONNECT TO INJECTORS



UNPLUG THE CPS



CONNECT TO CPS

- 13 Plug the PC6 wiring harness in-line of the each Fuel Injector and each of the stock wiring harness connectors.

PC6 WIRES:

ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

GREEN - cylinder #3

BLUE - cylinder #4 (right)

- 14 Unplug the stock Crank Position Sensor connectors.

This is a BLACK 6-pin connector pair located on the small metal bracket at the backside of the airbox that was loosened in step 11.

- 15 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
- 16 Secure the small metal bracket back to the airbox.
- 17 Reinstall the fuel tank.
- 18 Reinstall the removed bodywork and the seats.

Tuning Notes:

This bike uses a “throttle-by-wire” system. So conventional tuning can not be performed for all RPM and throttle ranges.

The PC6 is attached to the throttle blade angle sensor of the throttle bodies which is NOT directly correlated to the throttle grip position. Because of this when setting the throttle position in the PC6 software, we recommend on resetting only the closed throttle position after the bike has completely warmed up. Use the arrow key (<) next to MINIMUM VOLTAGE to perform this step and then click OK. Do not try to set the MAXIMUM VOLTAGE position unless you are on a dyno in gear and above 9000 RPM.



**PUSH
THE
LIMIT**

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