POWER COMMANDER 6

Install guide for: PC6-17092

Model coverage: 2024 Kawasaki Ninja 500

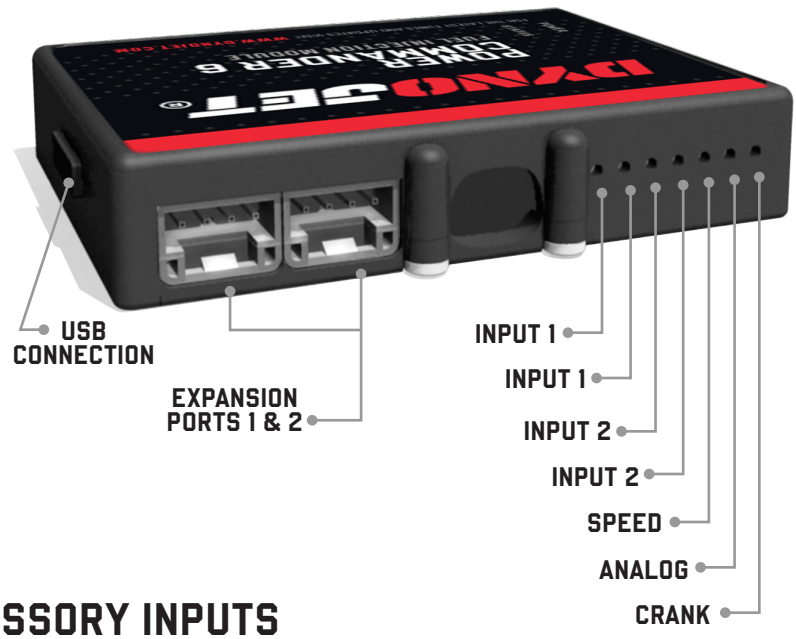
PARTS LIST

1 POWER COMMANDER 6	2 POWER COMMANDER DECALS
1 INSTALLATION GUIDE	2 VELCRO STRIPS
1 USB CABLE	1 ALCOHOL SWAB
2 DYNOJET DECALS	

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

IPC6-17092.01

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.

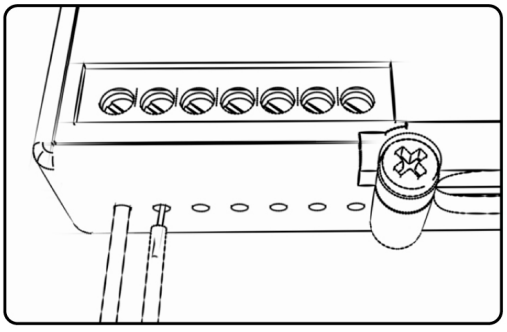
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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

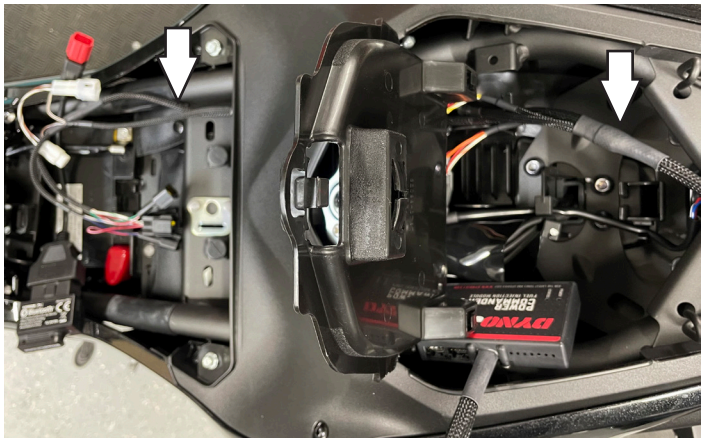
To input wires into the PC6 first remove the rubber plug on the backside of the unit and loosen the screw for the corresponding input. Using a 22-24 gauge wire, strip about 10mm from its end. Push the wire into the hole of the PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

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



INSTALLING THE POWER COMMANDER 6

1 Remove the following:
Main seat
Passenger seat
Panels around the fuel tank
Fuel tank
Airbox
For easier installation remove the crankcase breather hose from the crankside side.



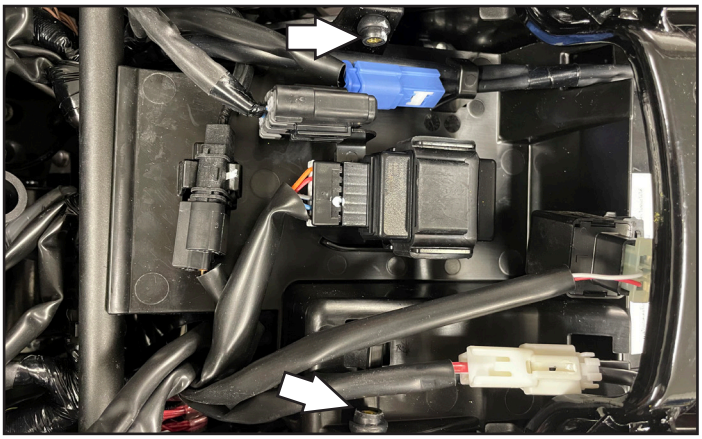
2 Lay the PC6 in the tail section and route the harness down the right side of the bike going towards the throttle bodies.

3 Route the PC6 harness under the fuel tank bracket.

4 Attach the ground wire of the PC6 to the negative (-) side of the battery.

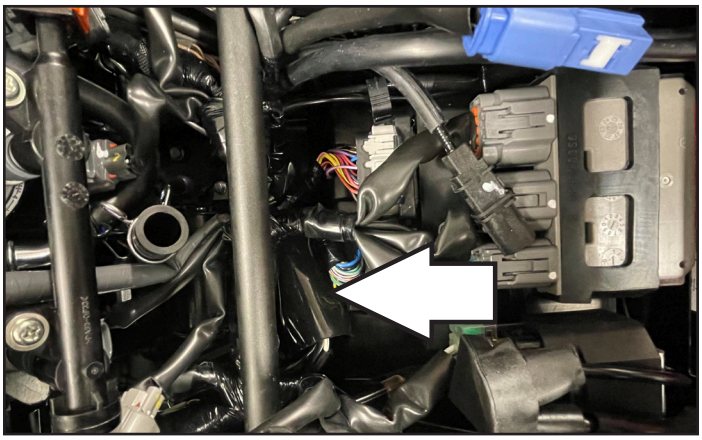
5 To access the crank position sensor connector it is best to remove the plastic tray under the fuel tank.

To remove this tray remove the 2 bolts on either side.



6 Unplug the crank position sensor connector.

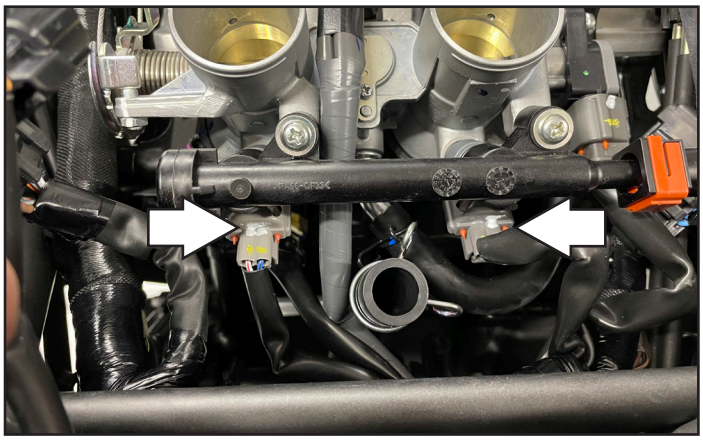
This is a WHITE 2 pin connector located inside the rubber boot fround under the plastic tray removed in step 5.

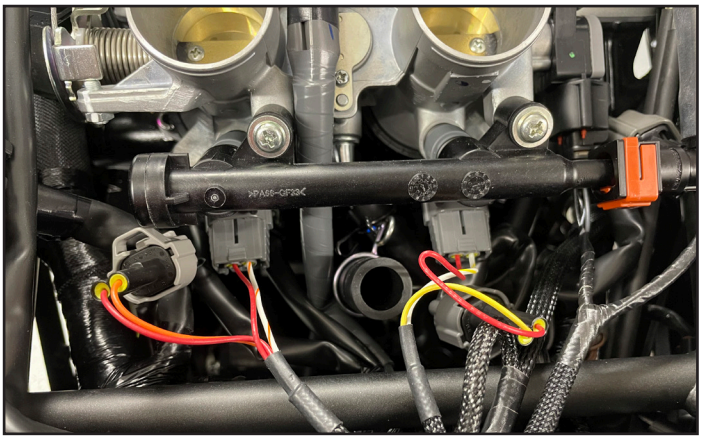


7 Plug the PC6 harness in-line of the stock wiring harness and CPS.

8 Reinstall the plastic tray and connectors.

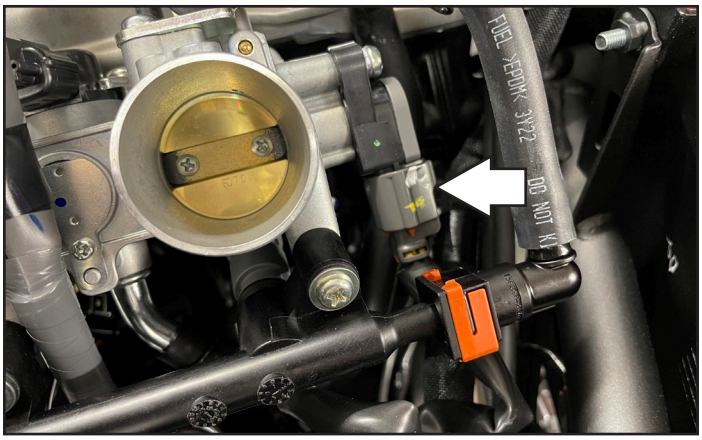
9 Unplug the stock wiring harness from each injector.





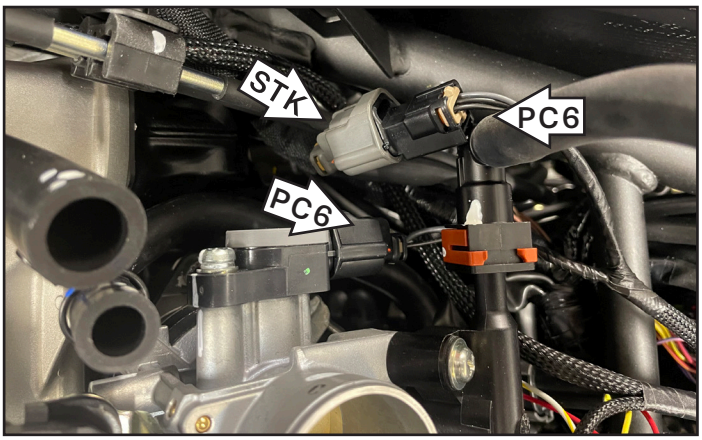
10 Plug the PC6 in-line of the stock wiring harnes and injectors.

ORANGE wires - cylinder #1 (left)
YELLOW wires - cylinder #2 (right)

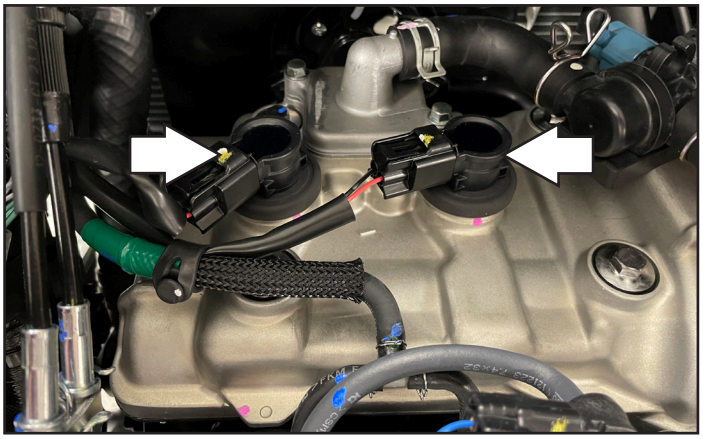


11 Unplug the stock wiring harness from the Throttle Position Sensor.

This connector is on the right hand side of the throttle bodies.



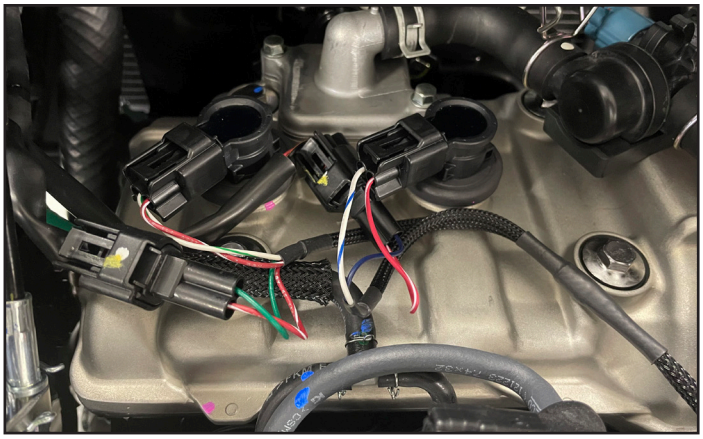
12 Plug the PC6 in-line of the stock wiring harness and TPS.



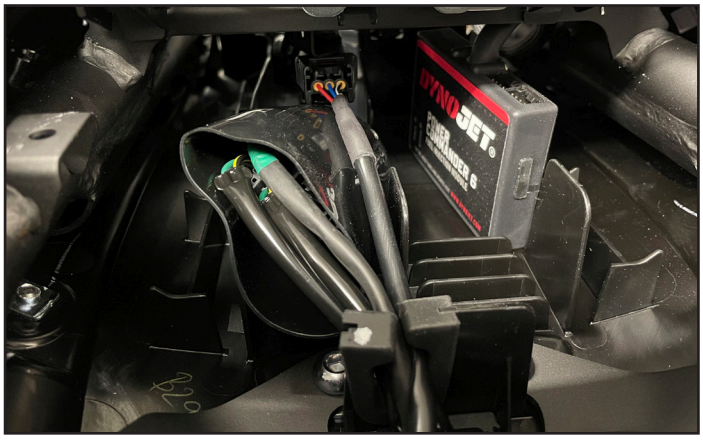
13 Unplug the stock wiring harness from each ignition coil stick.

14 Plug the PC6 in-line of the stock wiring harnes and ignition coil sticks

GREEN wires - cylinder #1 (left)
BLUE wires - cylinder #2 (right)



15 Using the supplied velcro secure the PC6 in the tail section. Make sure to use the supplied alcohol swab to clean the surface before attaching.



16 Reinstall airbox, fuel tank and bodywork.

Dynojet the latest maps at www.dynojet.com

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