

POWER COMMANDER 6

Installation Guide for: PC6-17089

Model Coverage: 2023 Kawasaki Ninja 650R

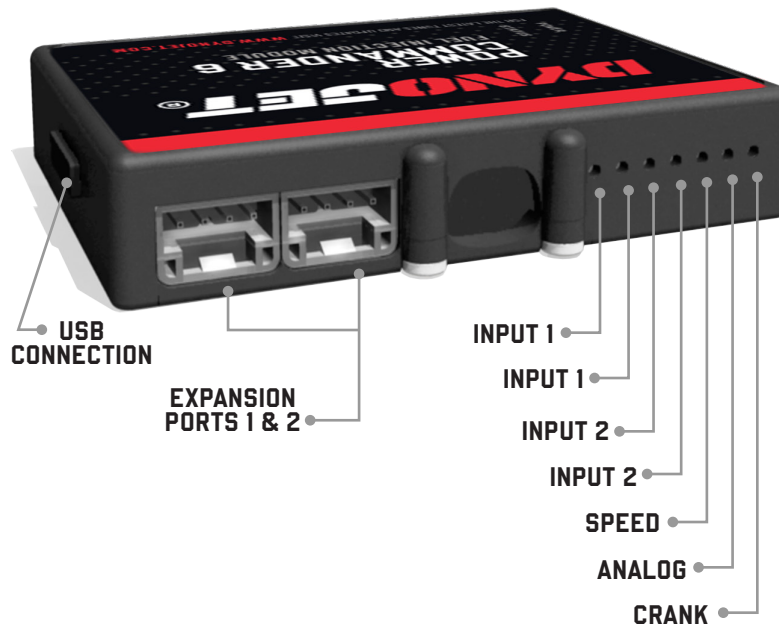
PARTS LIST

- | | |
|----------------------|--------------------------|
| 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.**



INPUT ACCESSORY GUIDE



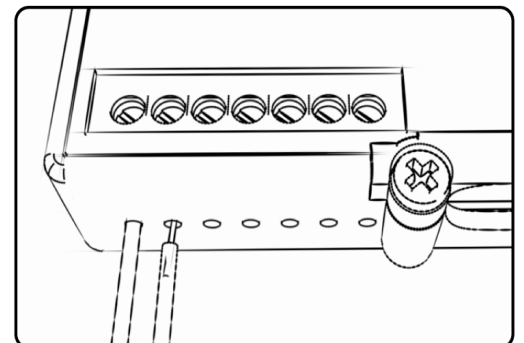
OPTIONAL ACCESSORY INPUTS

- 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 quick shifter.
- 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.



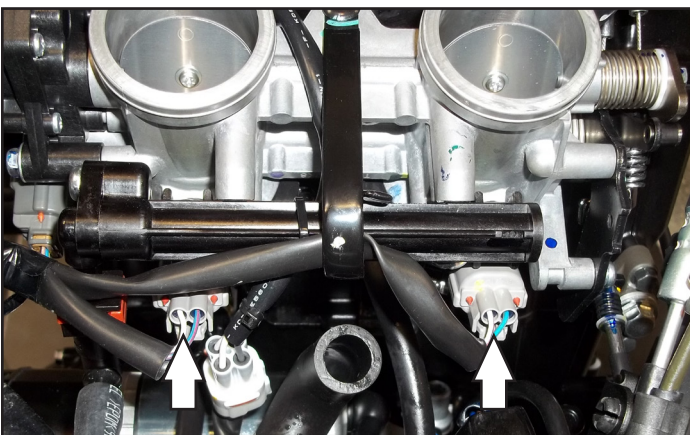
INSTALLING THE POWER COMMANDER 6



- 1 Remove the seats. Remove the panels around the fuel tank and remove the fuel tank.
- 2 Remove the air box.



- 3 Lay the PC6 in the tail section and route the wiring harness down the left side of the frame, towards the throttle bodies.

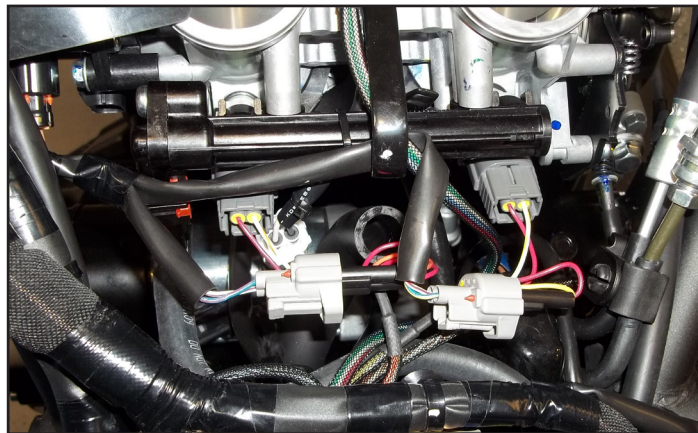


- 4 Unplug the stock wiring harness from the injectors.

- 5 Plug the PC6 wiring harness in-line of the stock injectors and stock wiring harness.

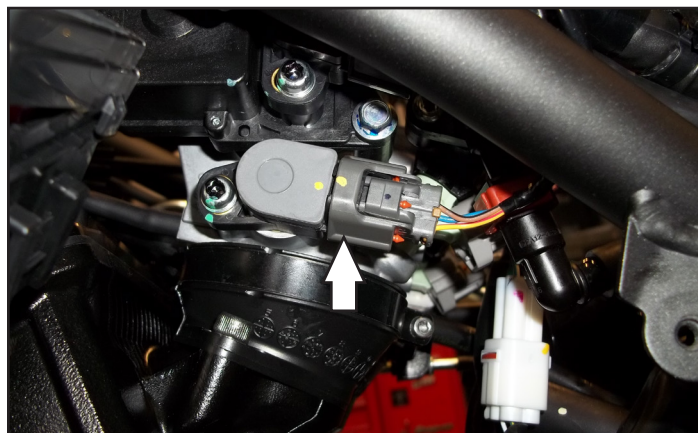
ORANGE colored wires go to cylinder #1 - LEFT.

YELLOW colored wires go to cylinder #2 - RIGHT.



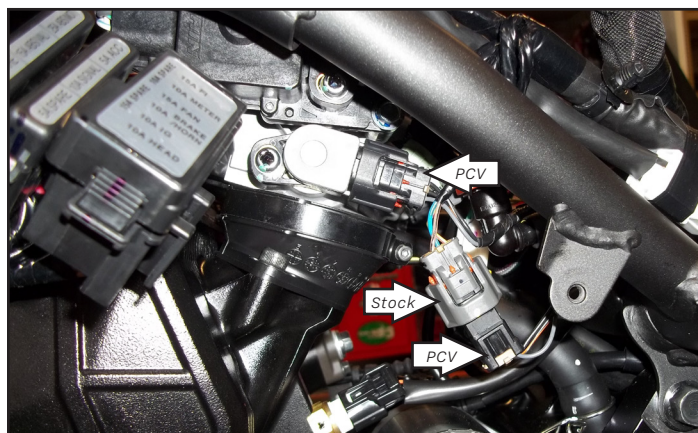
- 6 Locate the Throttle Position Sensor on the left side of the throttle bodies. Unplug the TPS.

This is a GREY connector with 3 wires.



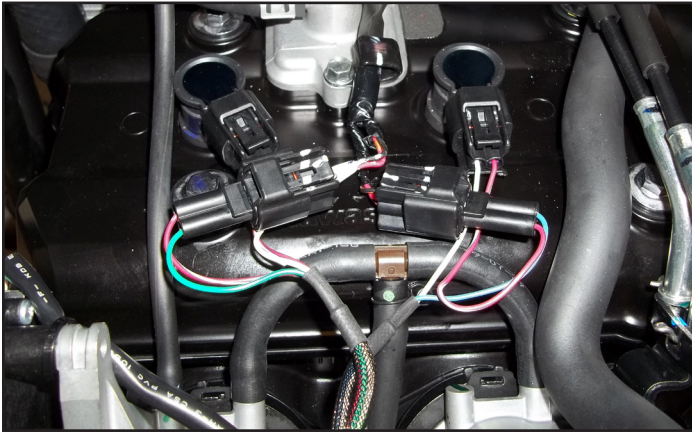
- 7 Plug the PC6 harness in-line of the stock TPS and wiring harness.

- 8 Continue routing the PC6 harness in between the 2 throttle bodies and go towards the Ignition coils.



- 9 Unplug the stock wiring harness from each ignition coil.

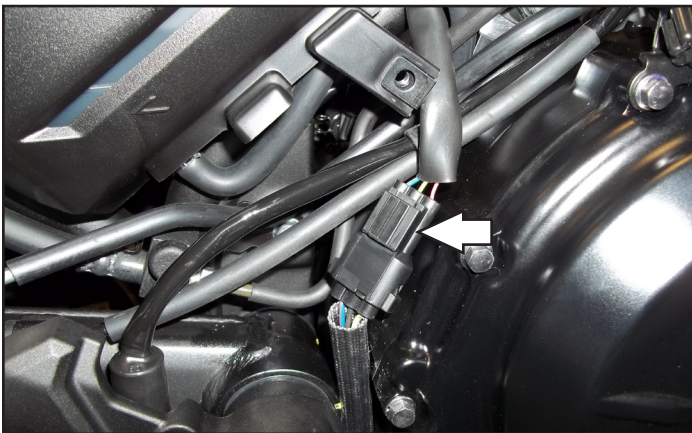




- 10 Connect the PC6 wiring harness in-line of the stock ignition coils and wiring harness.

GREEN colored wires go to cylinder #1 - LEFT.

BLUE colored wires go to cylinder #2 - RIGHT.



- 11 Locate the Crank Position Sensor connector. Unplug the CPS connector.

This is a BLACK 3 pin connector on the RH side of the motorcycle near the clutch cover.



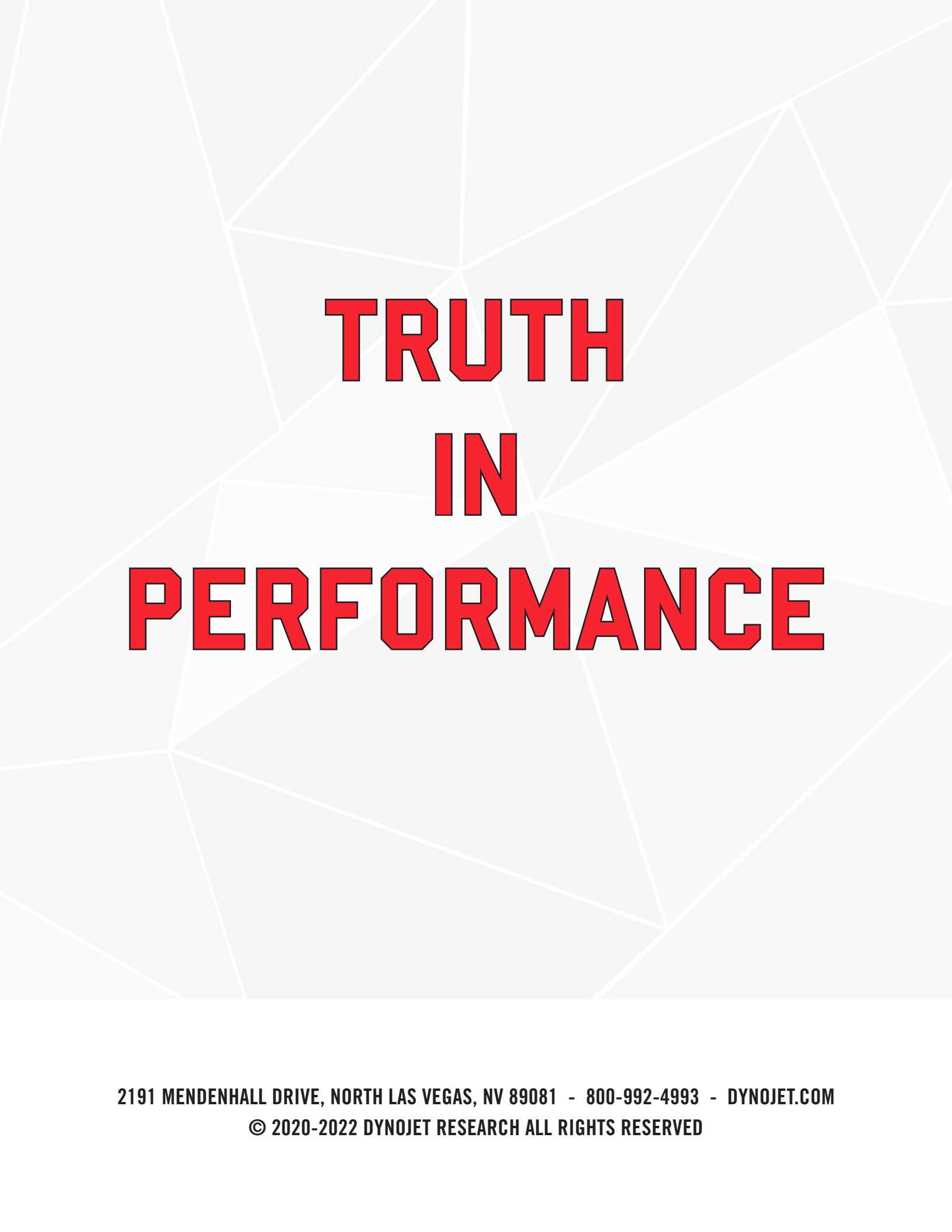
- 12 Connect the PC6 harness in-line of the CPS and stock wiring harness.



- 13 Attach the PC6 ground wire to the negative side of the battery.

- 14 Reinstall air box and bodywork.

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



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