POWER COMMANDER 6

Install guide for: PC6-17085
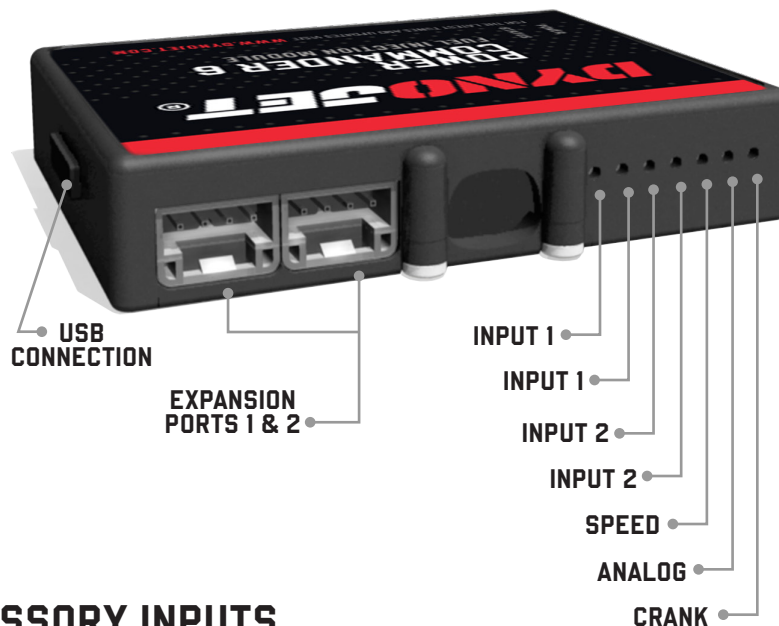
Model coverage: 2020-2022 Kawasaki Ninja Z H2

PARTS LIST

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

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

INPUT ACCESSORY GUIDE

USB CONNECTION

EXPANSION PORTS 1 & 2

INPUT 1
INPUT 1
INPUT 2
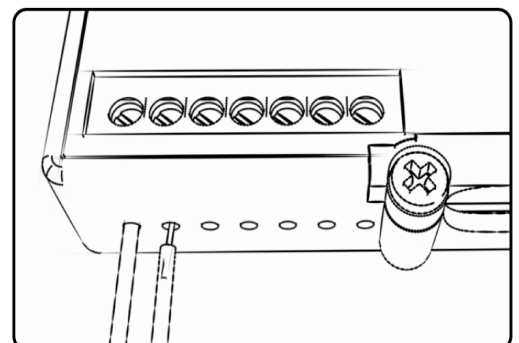INPUT 2
SPEED
ANALOG
CRANK

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.
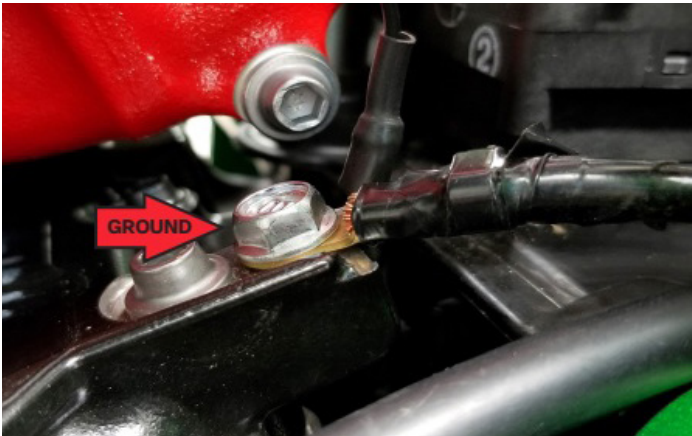
WIRE CONNECTIONS

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

CONNECT GROUND

1   Remove both seats, the fuel tank, and associated covers.

2   Lay the PC6 in the tail section and route the harness down the left side of the frame going towards the engine.

3   Attach the ground wire of the PC6 to the engine ground terminal bolt located on the rear left of the engine near the red, supercharger inlet.

UNPLUG MAIN HARNESS

4   Unplug the stock wiring harness from the throttle body sub harness.

This is a GREY, 10 pin connector at the rear of the engine, attached to the water hose fitting cover bolts. (The supercharger inlet is removed for clarity)

CONNECT PC6

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

6   Route the rest of the PC6 harness to the right side of the frame.

DYNOJET

INSTALLING THE POWER COMMANDER 6

7 Unplug the throttle position sensor connector from the throttle body.
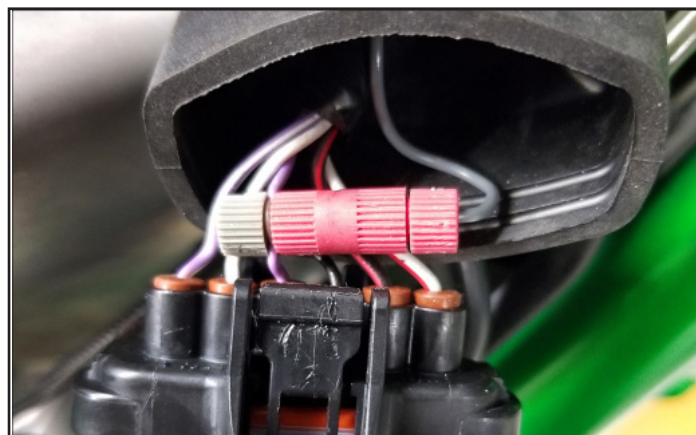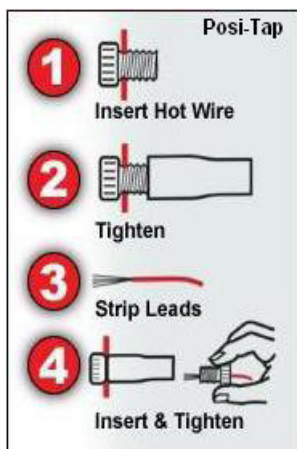
This connector is on the right side of the throttle body.

UNPLUG TPS

8 Using the supplied Posi-tap attach the GREY wire from the PC6 to the stock PURPLE wire of the TPS harness.
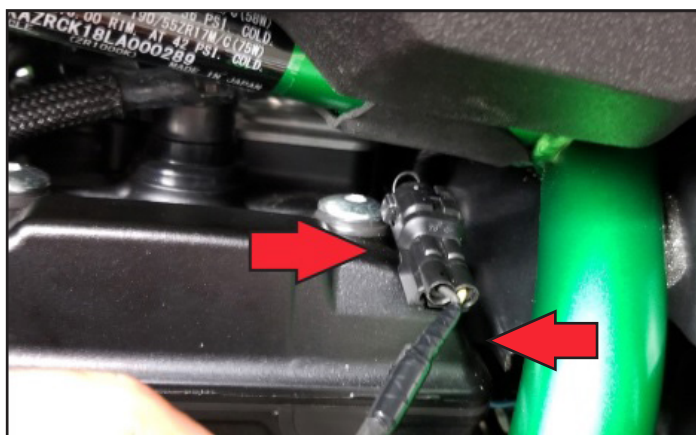
9 Plug the TPS harness back onto the throttle body.

GREY WIRE TO TPS

10 Unplug the stock crank position sensor connector.

This is a BLACK, 2 pin connector located on the right side of the motorcycle near the ABS valve.
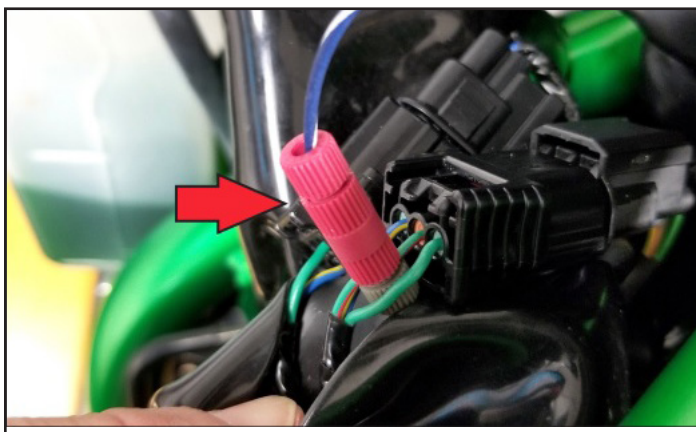

UNPLUG CPS

INSTALLING THE POWER COMMANDER 6

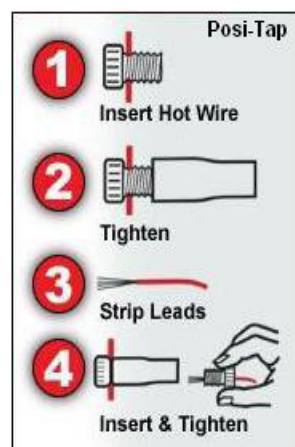**CONNECT TO THE CPS**

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

CONNECT TO THE GEAR POSITION SENSOR

12   Using the supplied Posi-tap connect the BLUE/WHT wire of the PC6 to the GREEN/RED wire of the stock gear position sensor.

This is a BLACK, 3 pin connector on the left side of the engine. This step does not need to be done if you do not plan on making any adjustments dependent on gear position.

INSTALL PC6

13   Secure the PC6 in the tail section using the supplied velcro.

14   Reinstall the fuel tank, bodywork and seat.

DYNOJET

PUSH THE LIMIT