

POWER COMMANDER 6

Install guide for: PC6-17070

Model coverage:

2017-2022 Kawasaki Z900

PARTS LIST

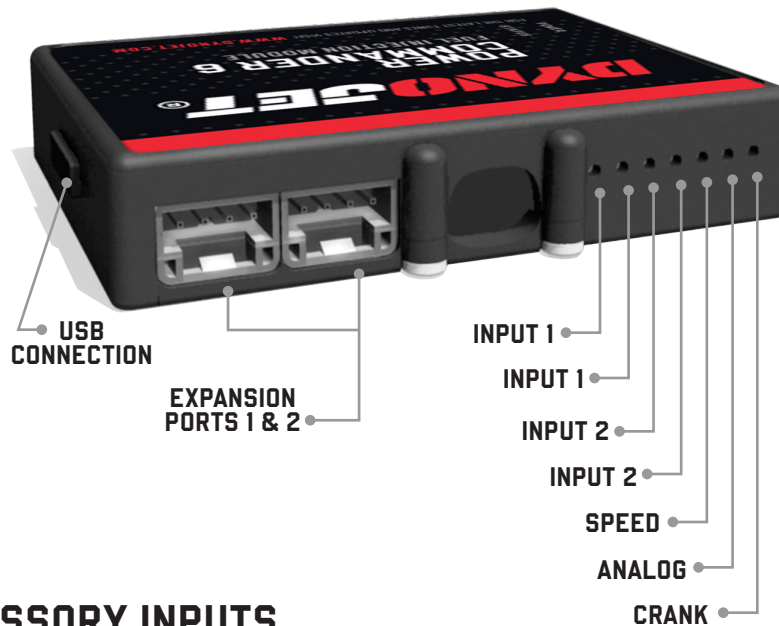


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|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6 | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

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



INPUT ACCESSORY GUIDE



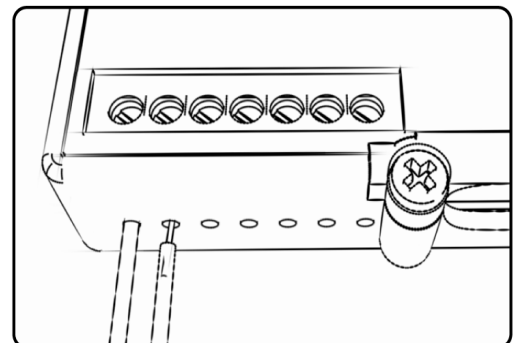
OPTIONAL ACCESSORY INPUTS

- 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.

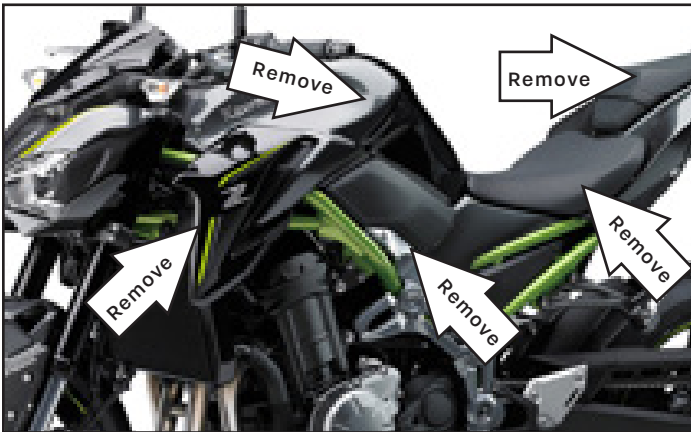
WIRE CONNECTIONS

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



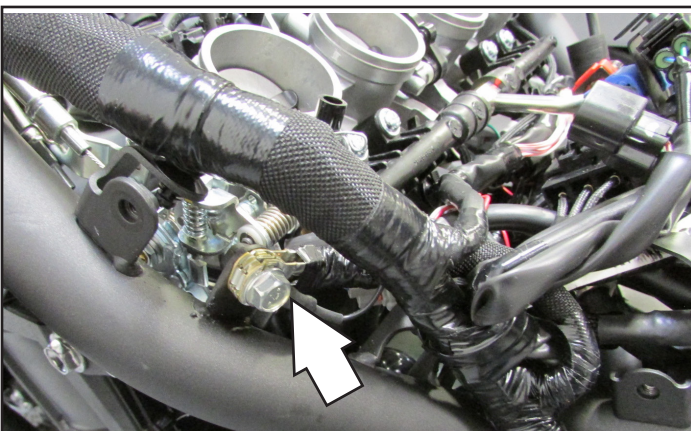
REMOVE PANELS

- 1 Remove the seats, the right and left side body panels below and forward of the seat, and the fuel tank cover.
- 2 Remove the fuel tank and the air box.



INSTALL PC6

- 3 Secure the PC6 module under the seat and next to the battery.
- 4 Route the PC6 wiring harness forward towards the engine following inside the left frame rail.

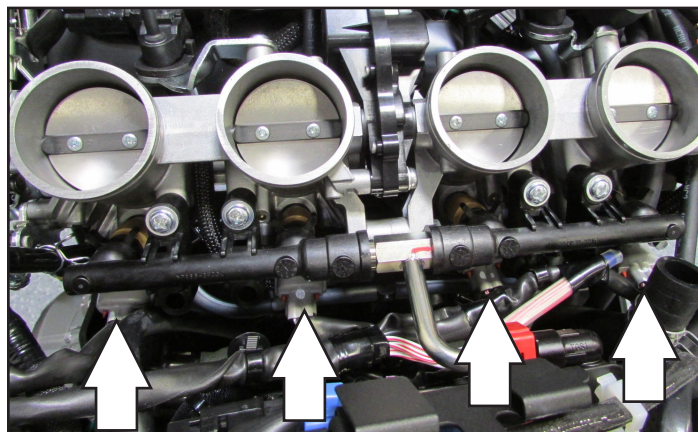


ATTACH GROUND WIRE

- 5 Secure the PC6 ground wire with the small ring lug to the common ground location on the left side of the frame.

INSTALLING THE POWER COMMANDER 6

- 6 Unplug all four of the bike's Fuel Injectors.



UNPLUG INJECTORS

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

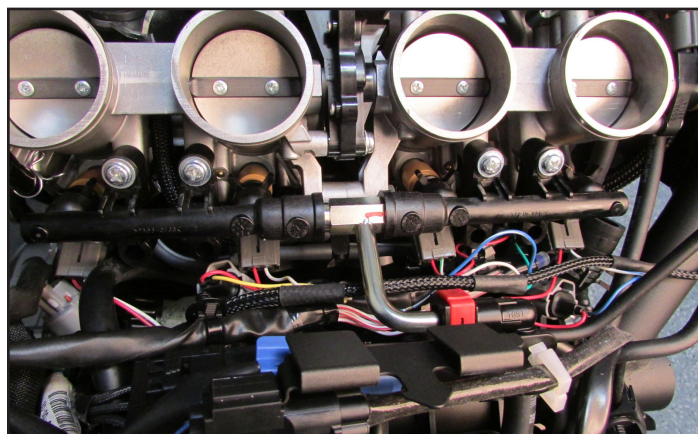
PC6 WIRES:

ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

GREEN - cylinder #3

BLUE - cylinder #4 (right)



CONNECT TO INJECTORS

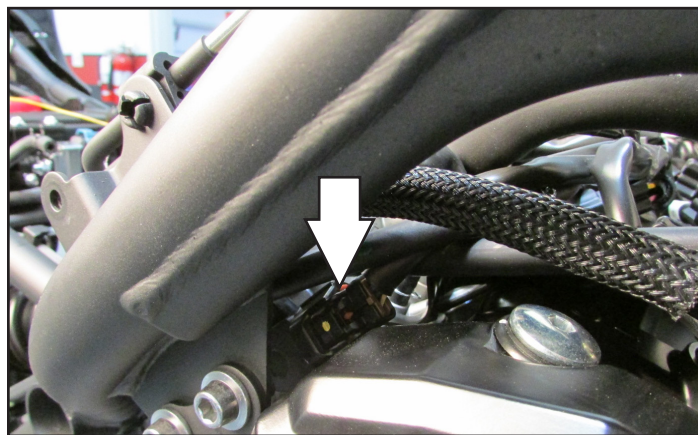
- 8 Route the pair of 3-pin connectors on the PC6 wiring harness towards the right side of the throttle bodies.

- 9 Locate and unplug the Primary Throttle Position Sensor.

This sensor is located on the right side of the throttle bodies.

This is the LOWER PRIMARY Throttle Position Sensor with the BLACK connector.

Do NOT plug the PC6 into the UPPER SECONDARY Throttle Position Sensor with the GREY connector.



UNPLUG TPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO TPS

- 10 Plug the pair of 3-pin connectors on the PC6 wiring harness in-line of the Lower Primary Throttle Position Sensor and the stock wiring harness.
- 11 Reinstall the airbox, fuel tank, body work, and seats.

Optional inputs:

Gear - GREEN/RED wire of sensor on left side of engine near shift shaft

Engine temp - GREEN/WHITE wire located on back of cylinder between #3 & #4

12v source for Auto-tune - RED wire on tail/tag light connector



PUSH THE LIMIT

**2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - [DYNOJET.COM](https://www.dynojet.com)
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