

POWER COMMANDER 6

Install guide for: PC6-17046

Model coverage: 2013-2017 Kawasaki EX300

PARTS LIST

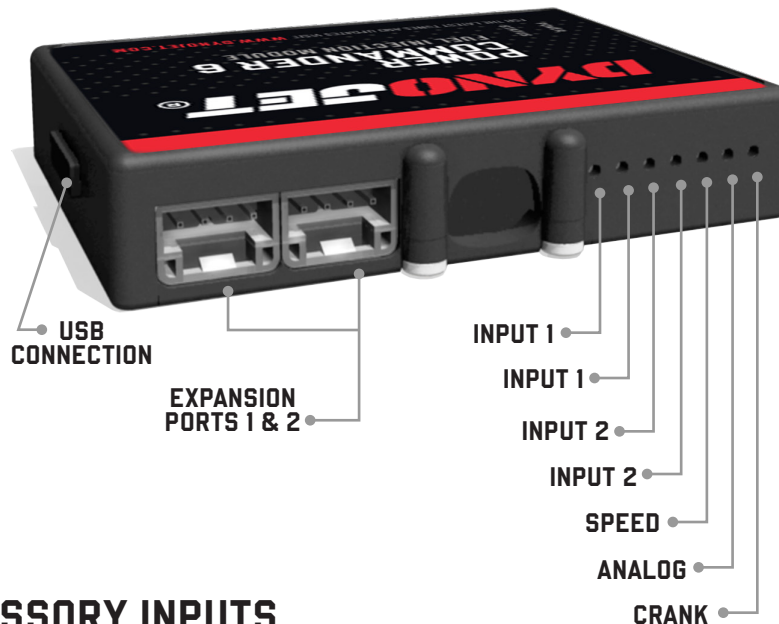


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| 2 | DYNOJET DECALS | | |

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



INPUT ACCESSORY GUIDE



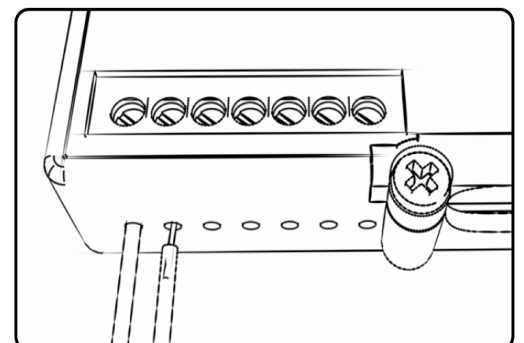
OPTIONAL ACCESSORY INPUTS

- 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.

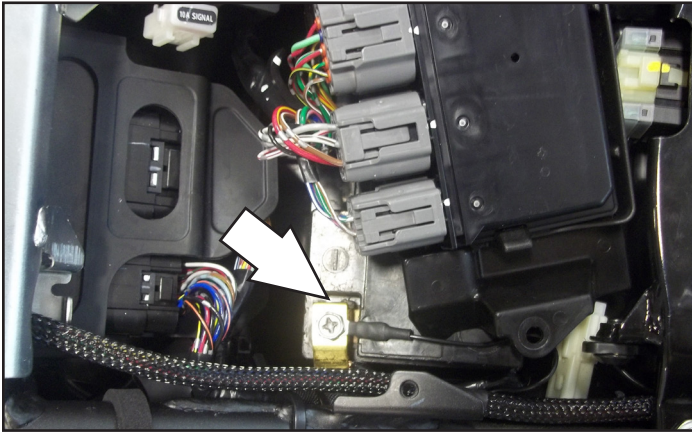
WIRE CONNECTIONS

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.

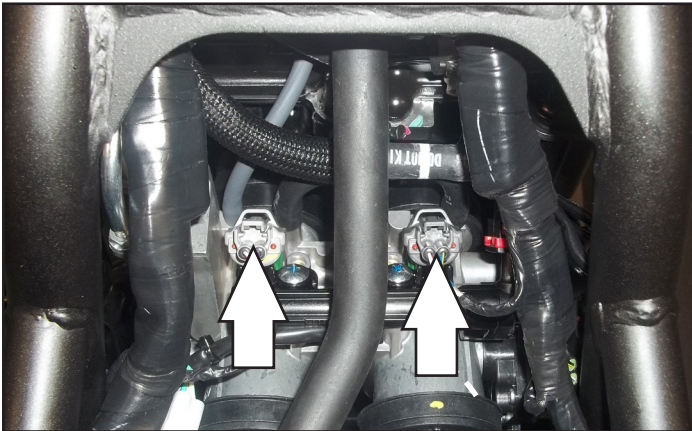
NOTE: If you tin the wires with solder it will make inserting them easier.



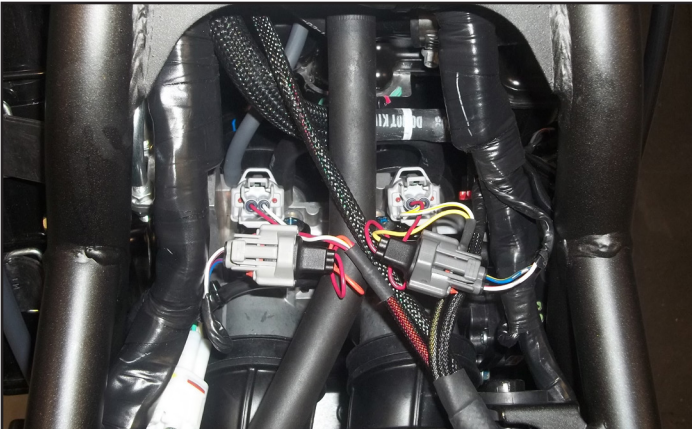
INSTALLING THE POWER COMMANDER 6



ATTACH GROUND



UNPLUG INJECTORS



CONNECT TO INJECTORS

- 1 Remove the seats.
- 2 Remove the fuel tank.
- 3 Remove the right and left side mid-fairings.
- 4 Lay the PC6 in the tail section and route the harness towards the front of the bike, following alongside the right side frame rail as closely as possible.
Cross-member brackets may need to be loosened or removed to route the wiring harness beneath them.
- 5 Move the junction box out of the way and remove the bolt for the battery cover.
- 6 Secure the ground wire of the PC6 wiring harness with the 6mm ring lug to the negative terminal of the bike's battery.
- 7 Reinstall the battery cover and junction box.

- 8 Unplug the stock wiring harness from both fuel injectors.

- 9 Plug the PC6 wiring harness in-line of the stock wiring harness and the fuel injectors (Fig. C).

The pair of PC6 connectors with ORANGE colored wires go to the left-most cylinder (cylinder #1).

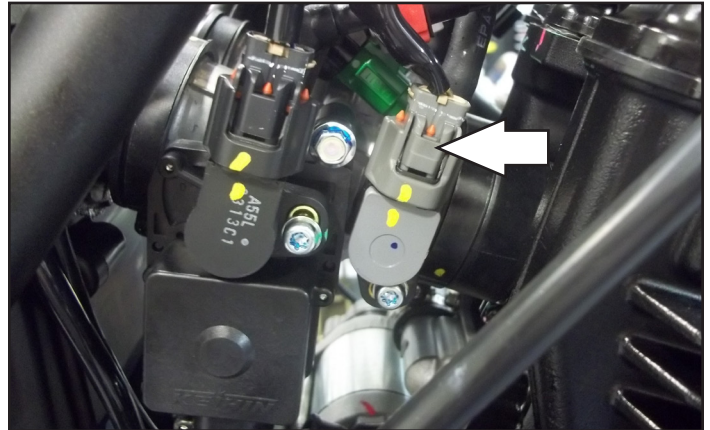
The pair of PC6 connectors with YELLOW colored wires go to the right-most cylinder (cylinder #2).

INSTALLING THE POWER COMMANDER 6

- 10 Locate the Throttle Position Sensor on the right hand side of the throttle bodies.

This is the GREY 3-pin connector.

This picture was taken with the coolant bottle moved out of the way.



UNPLUG TPS

- 11 Plug the connectors from the PC6 wiring harness in-line of the TPS and the stock wiring harness.

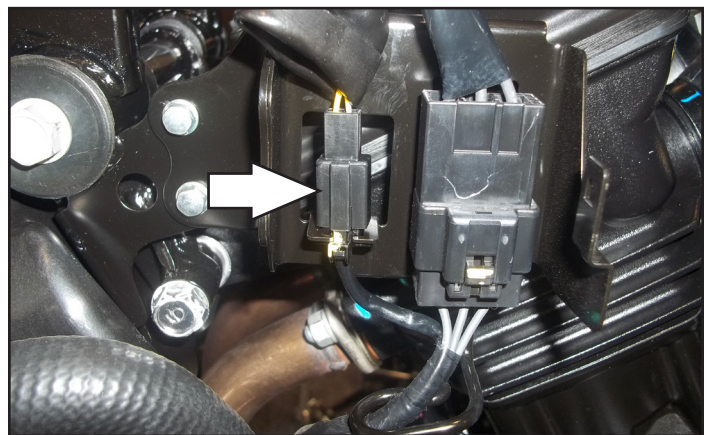
Make sure you do NOT plug the PC6 in-line of the stock BLACK connector.



CONNECT TO TPS

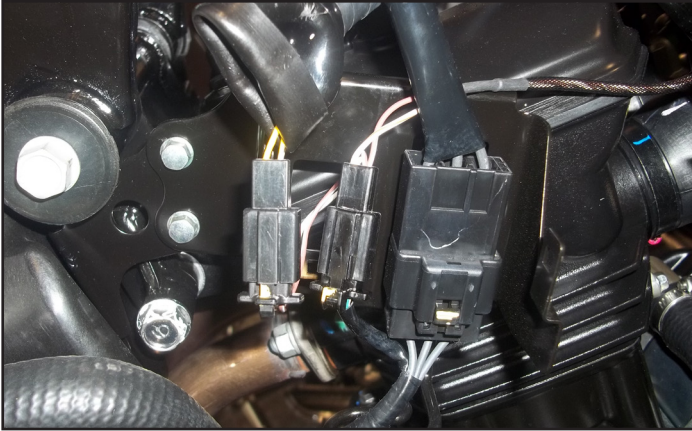
- 12 Locate and unplug the Crank Position Sensor from the stock wiring harness.

This is a BLACK 2-pin connector inside of a rubber boot on the left hand side of the engine head.



UNPLUG CPS

INSTALLING THE POWER COMMANDER 6



UNPLUG IGNITION COILS

- 13 Plug the PC6 in-line of the stock wiring harness and the Crank Position Sensor.



UNPLUG #1 COIL

- 14 Unplug the stock wiring harness from the left ignition coil stick (coil stick #1).

The coil sticks are located directly on top of the engine's valve cover.

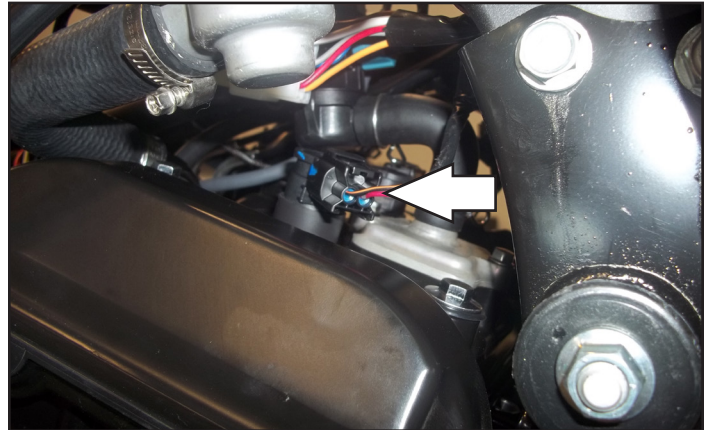


CONNECT TO COIL

- 15 Plug the PC6 wiring harness leads with GREEN colored wires in-line of the stock wiring harness and the left ignition coil stick (coil stick #1).

INSTALLING THE POWER COMMANDER 6

- 16 Unplug the stock wiring harness from the right ignition coil stick (coil stick #2).



UNPLUG #2 COIL

- 17 Plug the PC6 wiring harness leads with BLUE colored wires in-line of the stock wiring harness and the right ignition coil stick (coil stick #2) .



CONNECT TO TPS

- 18 Using the supplied Velcro secure the PC6 unit in the tail section.

Be sure to clean both surfaces with the supplied alcohol swab prior to applying the Velcro.

- 19 Reinstall the fuel tank, bodywork, and seats.
- 20 Affix the supplied CARB E.O. label to a conspicuous area. The best location is next to the original emissions label. Make sure to clean the surface before attaching the label.

Optional inputs:

Speed - GREEN/RED wire (pin #5) of the large ECU connector

Engine Temperature - ORANGE wire (pin #17) of the large ECU connector



UNPLUG CPS



PUSH THE LIMIT

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