POWER COMMANDER 6

Install guide for: PC6-17071

Model coverage: 2017-2020 Kawasaki Versys-X 300

PARTS LIST

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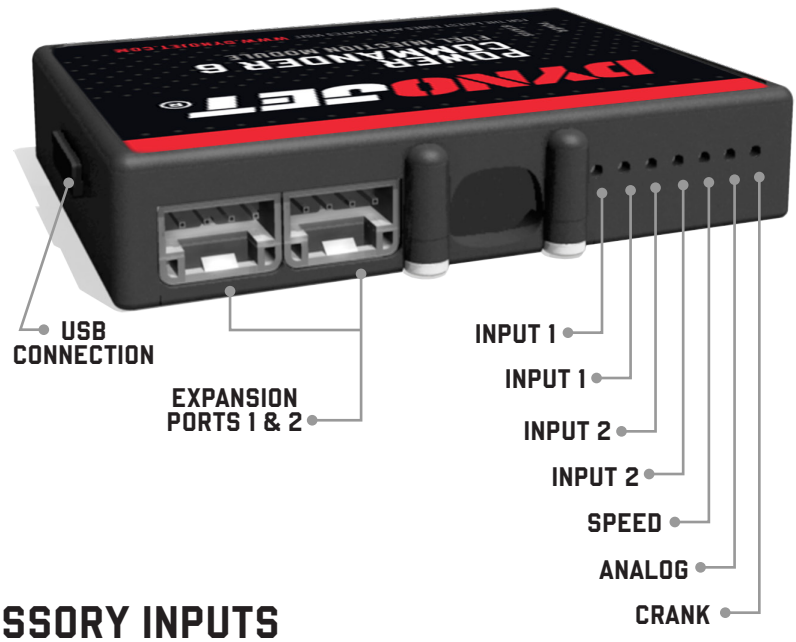
PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.

IPC6-17071.01

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.

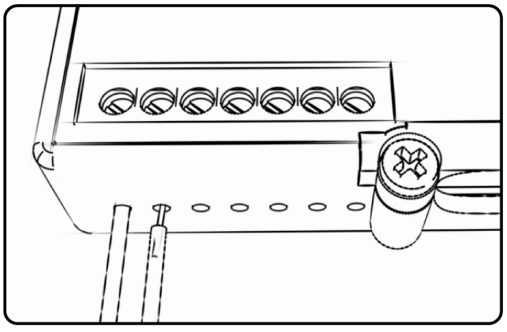
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

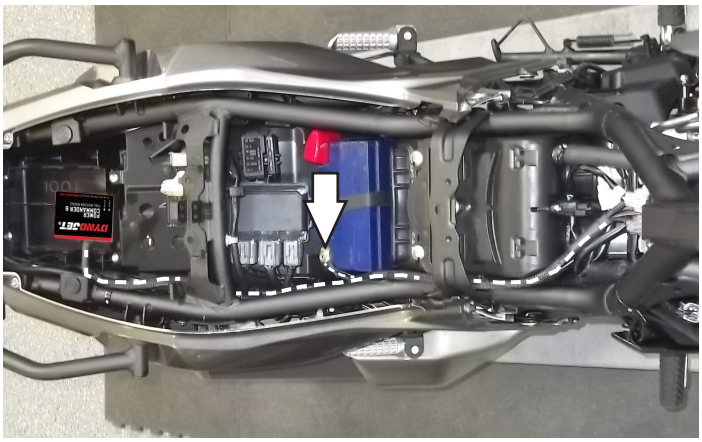
WIRE CONNECTIONS

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 seat.

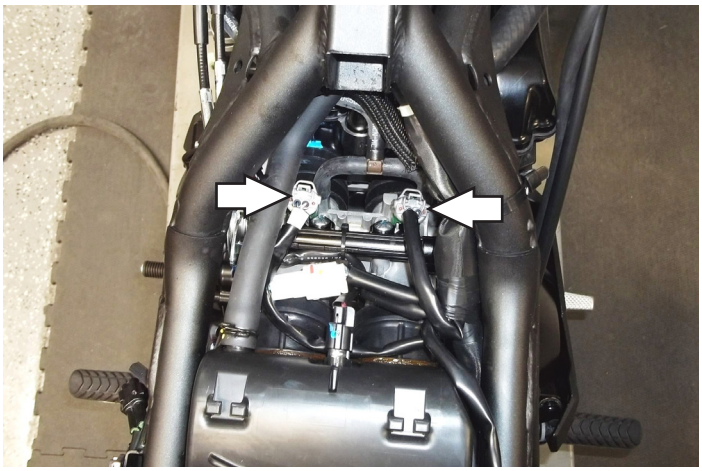
2 Remove all of the bodywork on both sides of the bike that is around the side of the engine and the fuel tank.

3 Remove the fuel tank.

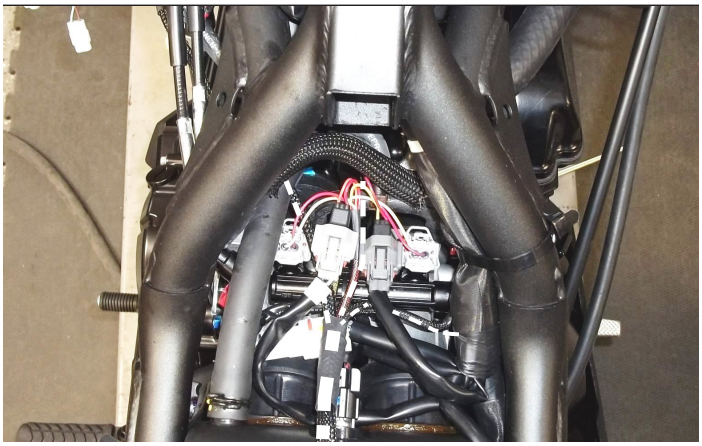
4 Lay the PC6 in the tail section and route the harness towards the front of the bike, following alongside the right side frame rail as closely as possible.

Route the wiring harness beneath any cross-members in the frame.

5 Secure the ground wire of the PC6 wiring harness with the 6mm ring lug to the negative (-) terminal of the bike's battery.



6 Unplug the stock wiring harness from both Fuel Injectors.



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

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

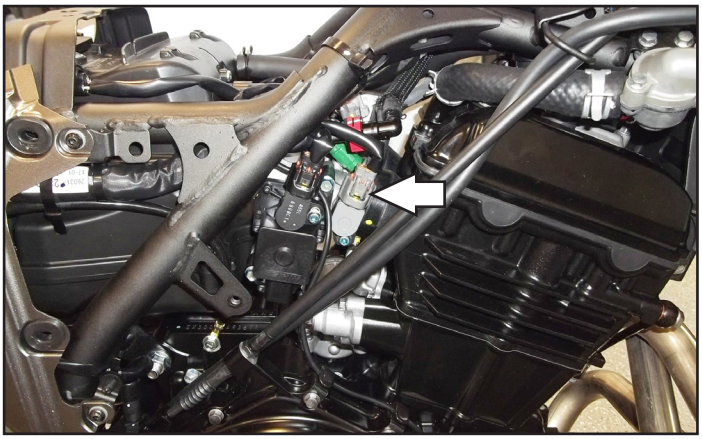
The pair of PC6 connectors with YELLOW colored wires go to the right cylinder (cylinder #2).

8 Route the pair of 3-pin PC6 connectors under the frame and to the right side of the throttle bodies. Route the rest of the wiring harness forward, under the frame, and towards the top of the engine.

9 Locate and unplug the primary Throttle Position Sensor on the right hand side of the throttle bodies.

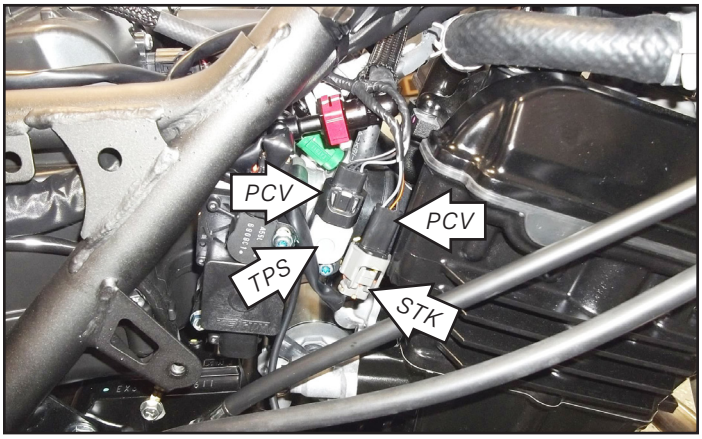
This is the GREY 3-pin connector.

Do NOT unplug the secondary TPS with the BLACK connector.



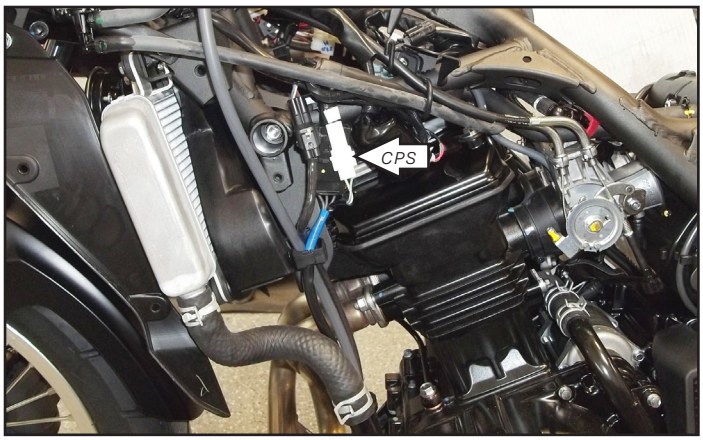
10 Plug the connectors from the PC6 wiring harness in-line of the TPS and the stock wiring harness.

Make sure you do NOT plug the PCV in-line of the secondary TPS with the stock BLACK connector.

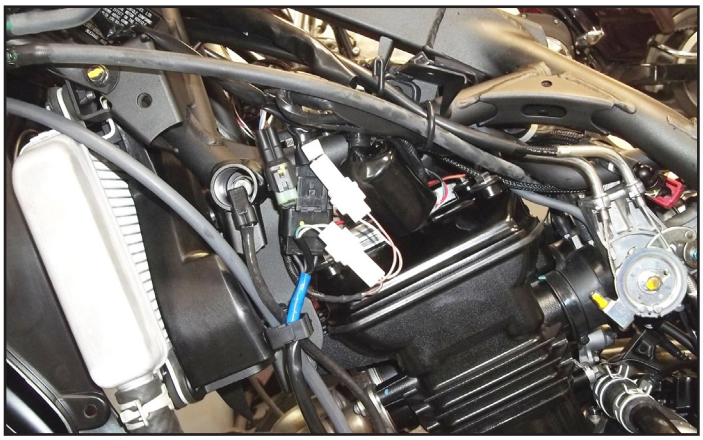


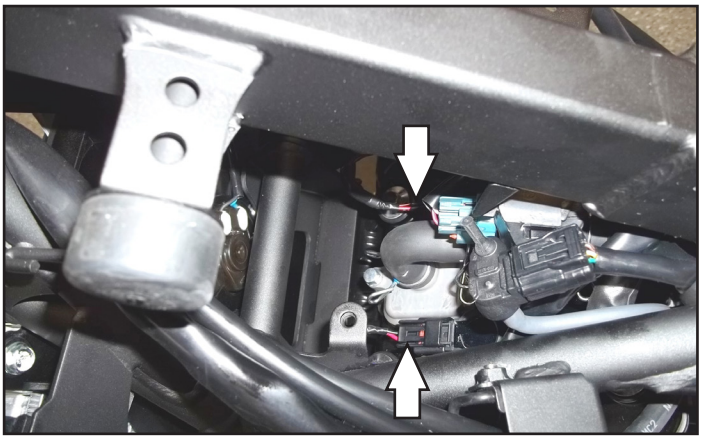
11 Locate and unplug the stock Crank Position Sensor connectors.

This is a WHITE 2-pin connector pair on the left side of the frame.



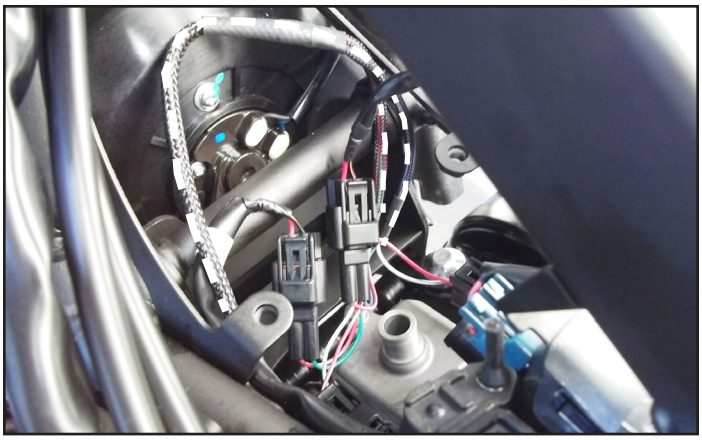
12 Plug the PC6 in-line of the stock Crank Position Sensor connectors.





13 At the top of the engine, unplug the stock wiring harness from both of the Ignition Coils.

The coil sticks are located directly on top of the engine's valve cover. The right cylinder coil stick is not visible in this picture.



14 Plug the PC6 wiring harness in-line of the stock wiring harness and the Ignition Coils.

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

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

15 Secure the PC6 module in the tail section with the supplied Velcro. Clean surfaces with the alcohol swab before attaching the Velcro.

16 Reinstall the fuel tank, the bodywork, and the seat.

17 Affix the supplied CARB E.O. label to a conspicuous area. Next to the original emissions label is the preferred location. Make sure to clean the surface before attaching.

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PUSH THE LIMIT

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