

# POWER COMMANDER 6

Installation Guide for: PC6-17030

Model Coverage: 2006-2011 Kawasaki EX650R/ER6n/Versys

**POWER COMMANDER 6**

## PARTS LIST

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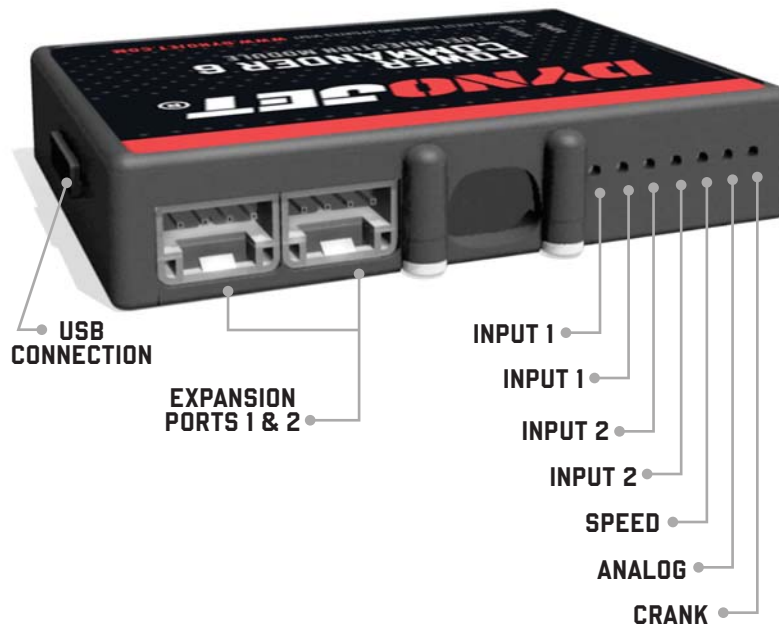
- |                      |                          |
|----------------------|--------------------------|
| 1 POWER COMMANDER 6  | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS          |
| 1 USB CABLE          | 1 ALCOHOL SWAB           |
| 2 DYNOJET DECALS     |              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

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

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IPC6-17030.01

# INPUT ACCESSORY GUIDE



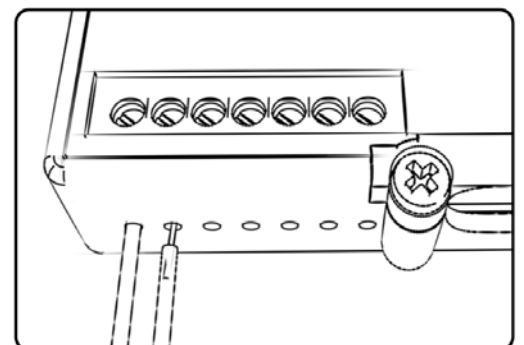
## OPTIONAL ACCESSORY INPUTS

- 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 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 seat.
- 2 Remove the fuel tank.
- 3 Lay the PC6 in the tail section and route the harness towards the front of the bike. Route the PC6 harness under the frame crossover.

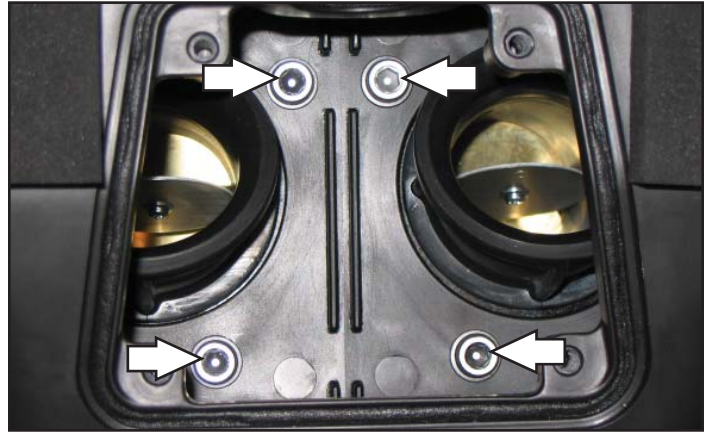


- 4 Route the PC6 harness under the fuel tank bracket.

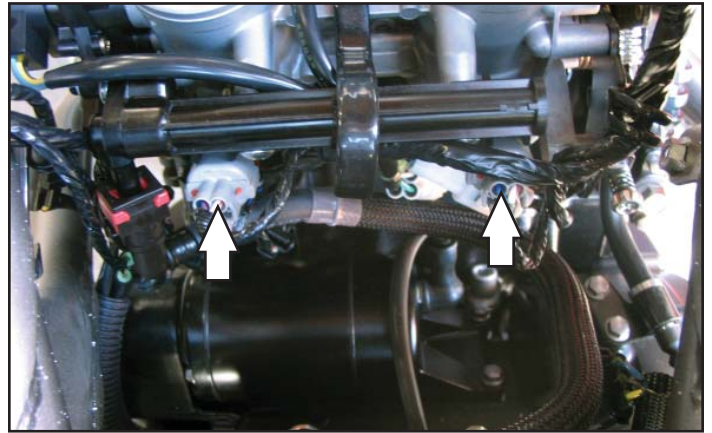


- 5 Remove the bolts in the air box lid.

- 6 Remove the four bolts that hold the air box to the throttle bodies.
- 7 Disconnect the air box temp sensor and hoses leading to the air box.
- 8 Remove the air box from the bike.



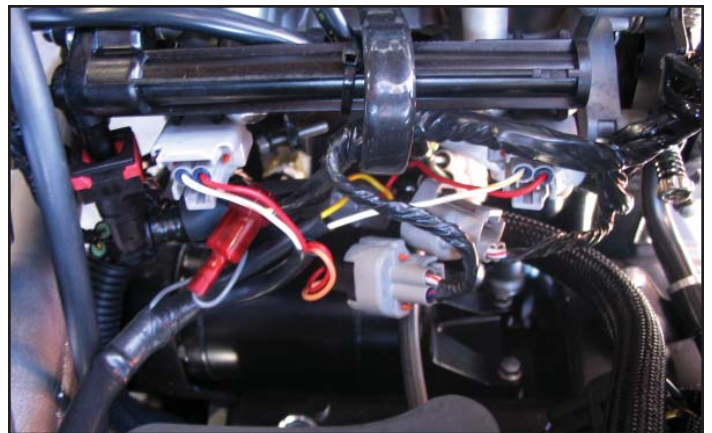
- 9 Unplug the stock wiring harness from the injectors.



- 10 Plug the PC6 connectors in-line of the stock wiring harness and fuel injector for both cylinders.

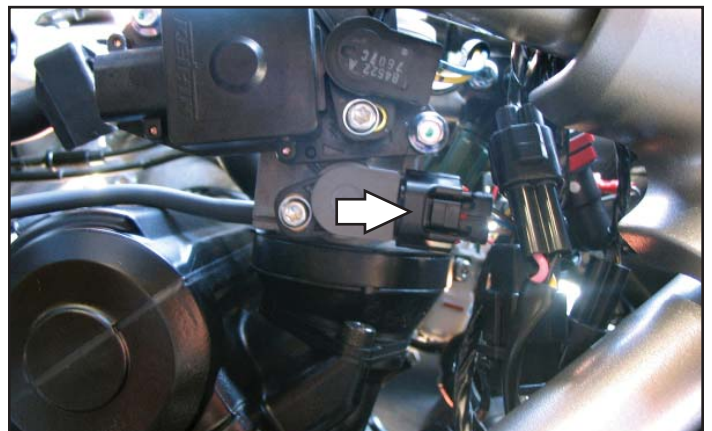
Connect the **ORANGE** colored wires of the PC6 to the left hand cylinder.

Connect the **YELLOW** colored wires of the PC6 to the right hand cylinder.



- 11 Locate the Throttle Position Sensor connector on the left hand side of the throttle bodies.

- 12 Unplug the TPS connector from the throttle bodies and connect the PC6 harness in-line of the TPS and stock wiring harness.







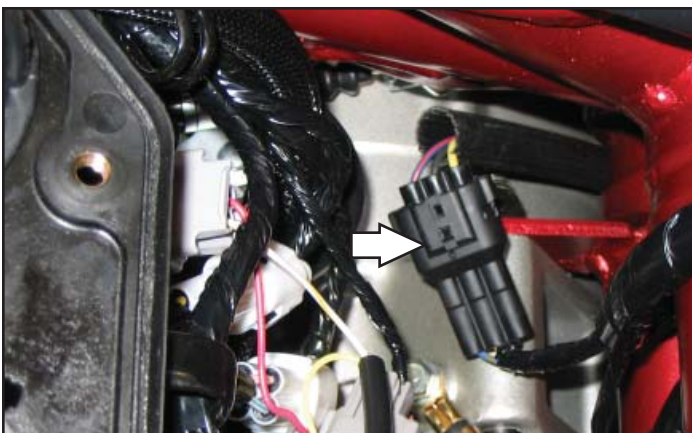
- 13 Unplug the stock wiring harness from each of the ignition stick coils.



- 14 Plug the PC6 harness in-line of the stock wiring harness and each coil stick.

PC6 GREEN wires go to left cylinder.

PC6 BLUE wires go to right cylinder.



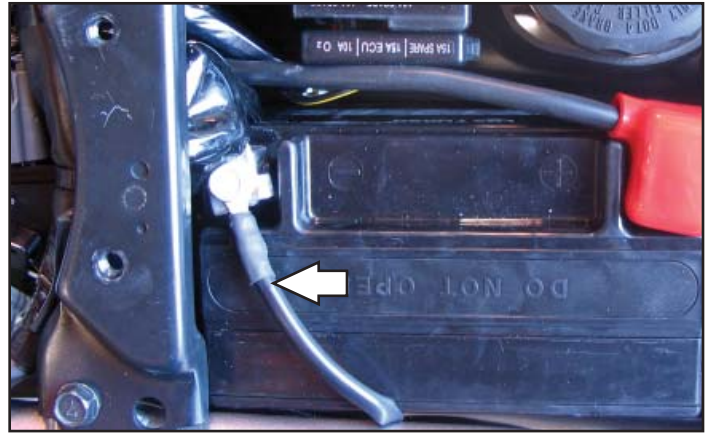
- 15 Locate the Crank Position Sensor connector to the right rear of the air box.

This is a BLACK 3-pin connector.



- 16 Plug the PC6 connectors in-line of the stock wiring harness and crank position sensor connector.

- 17 Connect the ground wire from the PCV to the negative side of the battery.



- 18 Secure the PC6 in the tail section using the stock rubber band.  
19 Reinstall the air box.  
20 Reinstall the fuel tank.

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).

**Optional Inputs:**

**Speed** - YELLOW wire of 3 pin BLACK connector from c/s sprocket (YEL-PINK-BLK).

**Engine Temperature** - ORANGE wire of cylinder temp sensor.

**12v Source for Autotune** -RED wire of 6-pin connector for tail light - under seat.





# **PUSH THE LIMIT**

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