

POWER COMMANDER 6

Installation Guide for: PC6-18004

Model Coverage:

2008-2010 KTM RC8

2009-2010 KTM RC8R

PARTS LIST



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



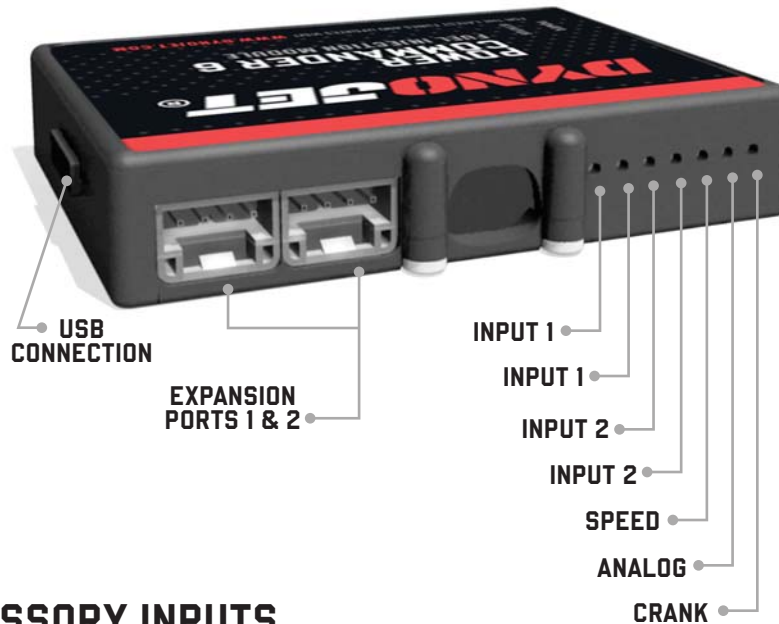
IPC6-18004.01

POWER COMMANDER 6

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INPUT ACCESSORY GUIDE



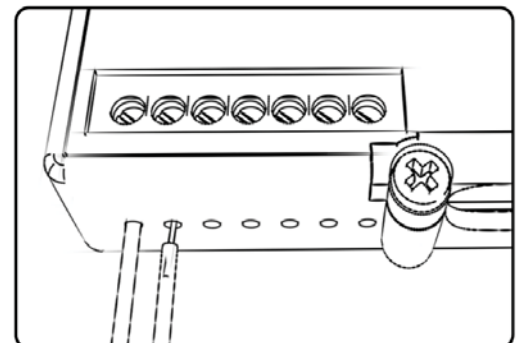
OPTIONAL ACCESSORY INPUTS

- 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.

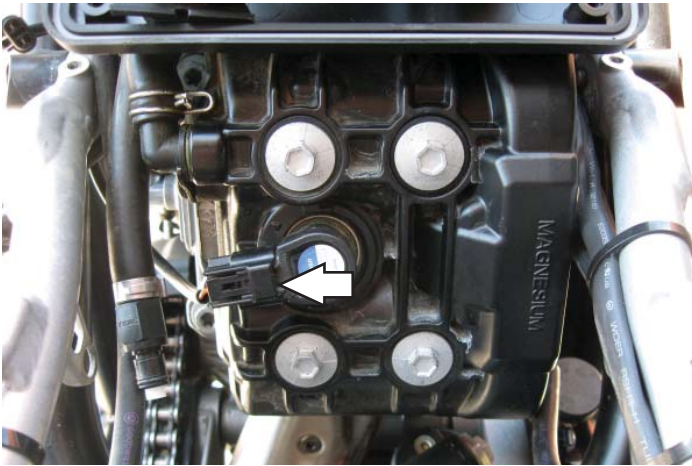
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat and both side fairings.
- 2 Remove the fuel tank.
- 3 Lay the PC6 next to the battery and route the PC6 harness along the frame on the right side up towards the front of the engine.



- 4 Locate the Rear Ignition Coil and unplug the stock wiring harness from the coil.



- 5 Plug the pair of PC6 connectors with the BLUE colored wires in-line of the Rear Ignition Coil and the stock wiring harness.



- 6 Locate the sub connector from the throttle bodies on the right side of the motorcycle. Unplug this connector.

This is a GREY 16-pin connector pair located between the frame and the air box near the tip over sensor.



- 7 Route the PC6 harness to the inside of the frame (which may require you to move the MAP sensor.)
- 8 Plug the pair of 16-pin PC6 wiring harness connectors in-line of the stock wiring harness.

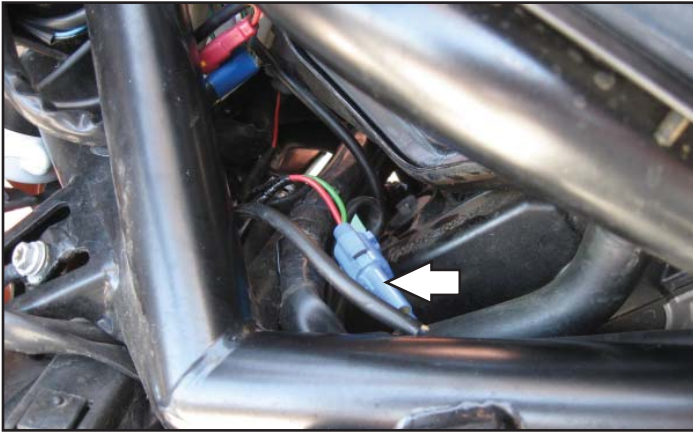


- 9 Locate the Front Ignition Coil and unplug the stock wiring harness from the coil.



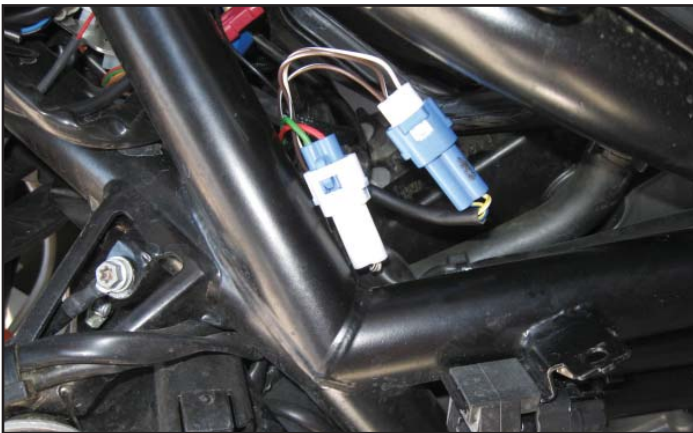
- 10 Plug the pair of PC6 connectors the GREEN colored wires in-line of the Front Ignition Coil and the stock wiring harness.





- 11 Locate the stock Crank Position Sensor connectors on the left side of the motorcycle. Unplug this connection.

This is a **BLUE** 2-pin connector pair. On one side of the connector it has a **RED** wire and a **GREEN** wire.



- 12 Route the pair of **WHITE** 2-pin PC6 connectors over to the left side of the motorcycle and plug them in-line of the stock Crank Position Sensor connectors.
- 13 Feed the pair of connectors back over to the right side of the motorcycle.



- 14 Attach the PC6 ground wire with the small ring lug to the stock common ground location on the right side of the frame.



- 15 Using the supplied Velcro, install the PC6 behind the battery.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

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

Download the latest map files from our web site at dynojet.com/tunes.



PUSH THE LIMIT

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