

POWER COMMANDER 6

Installation Guide for: PC6-18003

Model Coverage: 2007-2013 KTM 990 Adventure

PARTS LIST



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| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

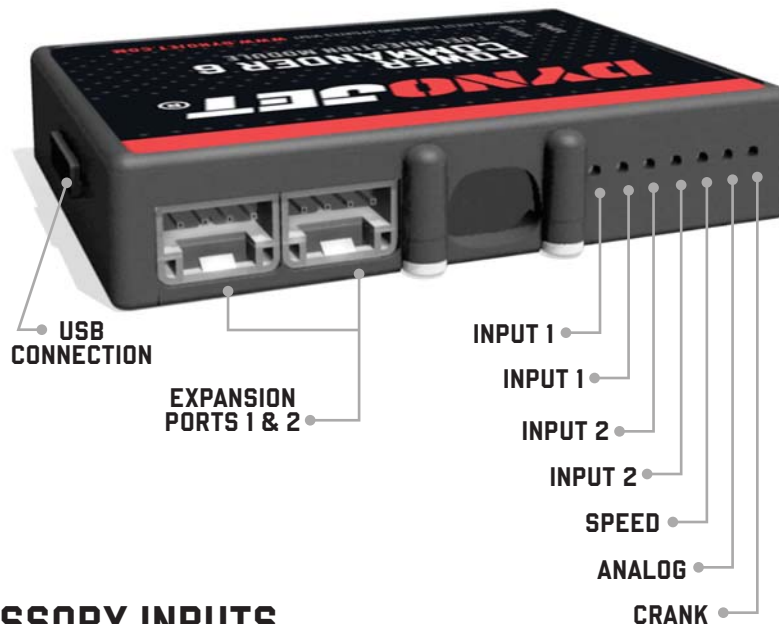
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-18003.01



INPUT ACCESSORY GUIDE



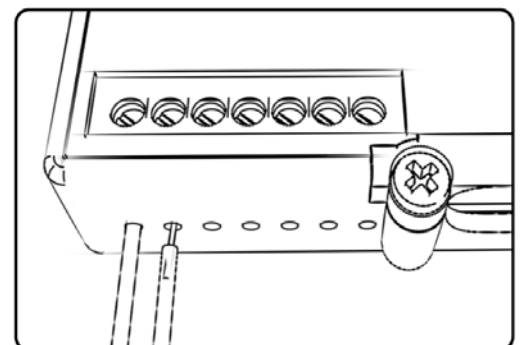
OPTIONAL ACCESSORY INPUTS

- 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.

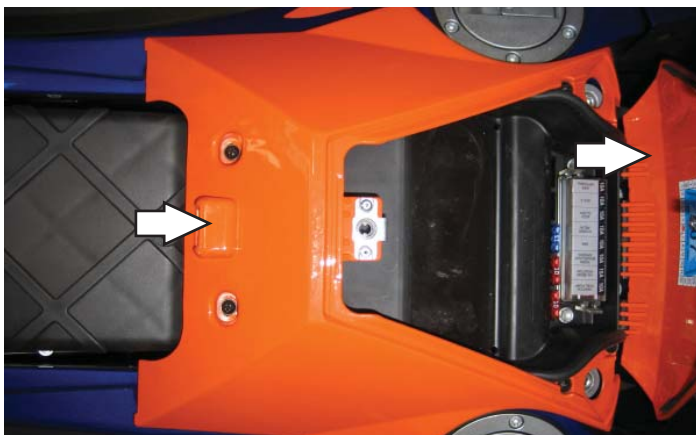
WIRE CONNECTIONS

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 main seat.
- 2 Remove the storage cover and storage shell.



- 3 Remove the right and left hand side panels and fuel tanks.



- 4 Remove the three bolts for the tail section on the right hand side.

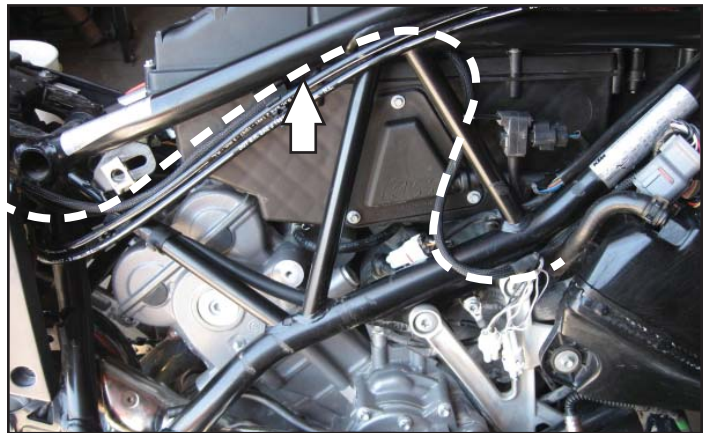
- 5 Using the supplied Velcro, secure the PC6 module in the tail section.

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

- 6 Route the PC6 harness under the tail section and go towards the front of the bike.

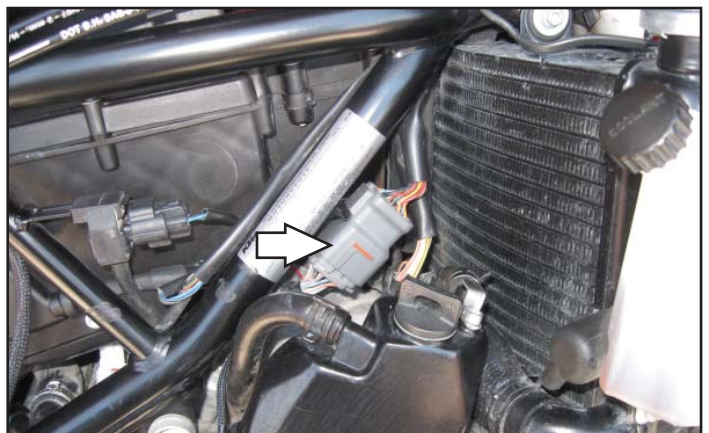


- 7 Route the PC6 wiring harness inside of the frame rails and go towards the front of the engine.



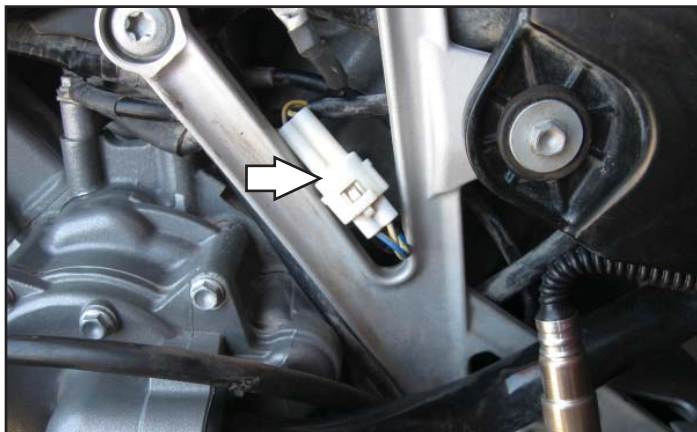
- 8 Unplug the stock throttle body sub-harness connector.

This is a GREY 16-pin connector on the right side of the frame.



- 9 Plug the PC6 main connectors in-line of the stock wiring harness.





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

This is a **WHITE** 2-pin connector pair near the bottom of the oil reservoir tank.



- 11 Plug the **WHITE** 2-pin connectors from the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.



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

This is located near the Crank Position Sensor connectors.



- 13 Unplug the stock wiring harness from the Front Ignition Coil.

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




- 15 Unplug the stock wiring harness from the Rear Ignition Coil.



- 16 Plug the pair of PC6 connectors with BLUE colored wires in-line of the Rear Ignition Coil and the stock wiring harness.
- 17 Reinstall the fuel tanks, all of the removed bodywork, and the main seat.



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