

POWER COMMANDER 6

Installation guide for PC-18019

Model coverage: 2012-2016 KTM 500 EXC

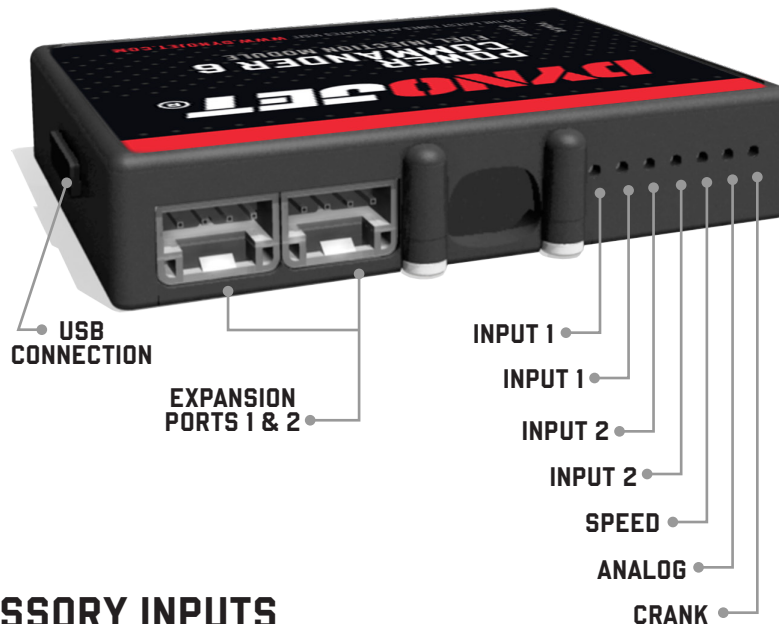
PARTS LIST

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



INPUT ACCESSORY GUIDE



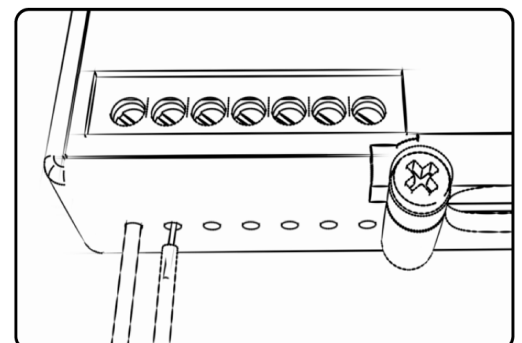
OPTIONAL ACCESSORY INPUTS

- 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



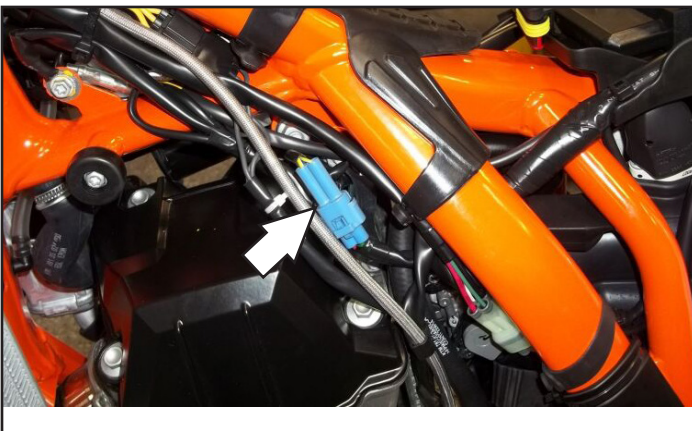
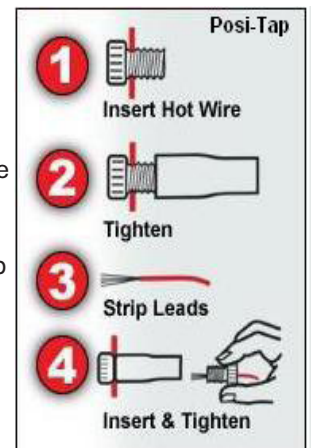
REMOVE BODYWORK

- 1 Remove the seat.
- 2 Remove the left and right side radiator shrouds.
- 3 Remove the fuel tank.
- 4 Remove the cover under the seat



TPS WIRE TO ECU

- 5 Lay the PC6 on top of the battery temporarily while routing the wiring harness forward along the left side of the vehicle.
- 6 Use the supplied Posi-tap to attach the GREY wire of the PC6 to the stock YELLOW/BROWN wire of the bike's ECU.



UNPLUG CPS

- 7 Unplug the stock Crank Position Sensor connectors.

This is a BLUE 2-pin connector pair located on the left side of the bike.

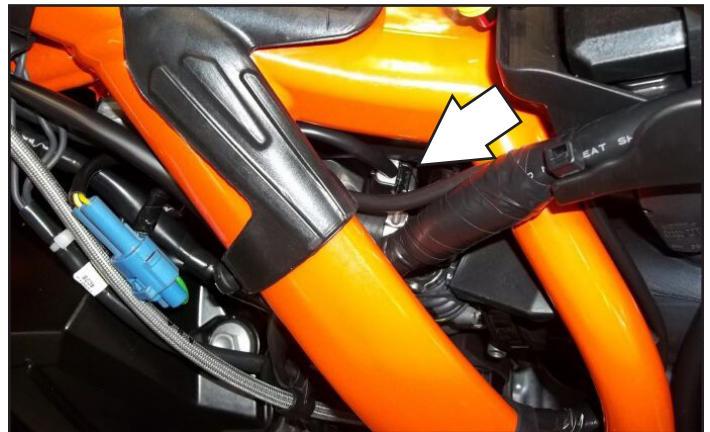
INSTALLING THE POWER COMMANDER 6

- 8 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.



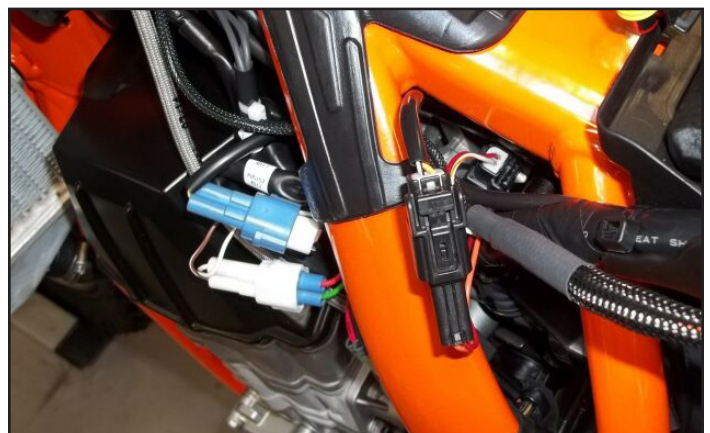
CONNECT CPS

- 9 Unplug the stock wiring harness from the Fuel Injector.



UNPLUG INJECTOR

- 10 Plug the PC6 wiring harness in-line of the Fuel Injector and the stock wiring harness .



CONNECT TO INJECTOR

INSTALLING THE POWER COMMANDER 6



ATTACH GROUND

- 11 Secure the PC6 ground wire with the small ring lug to the common ground location on the frame.



INSTALL PC6

- 12 Secure the PC6 module to the battery using the stock battery strap and/or the supplied Velcro strips.

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

- 13 Reinstall the fuel tank, body work, and the seat.
- 14 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.

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



PUSH THE LIMIT

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