

POWER COMMANDER 6

Install Guide for: PC6-18016

Model coverage: 2012-2019 KTM 690 Duke

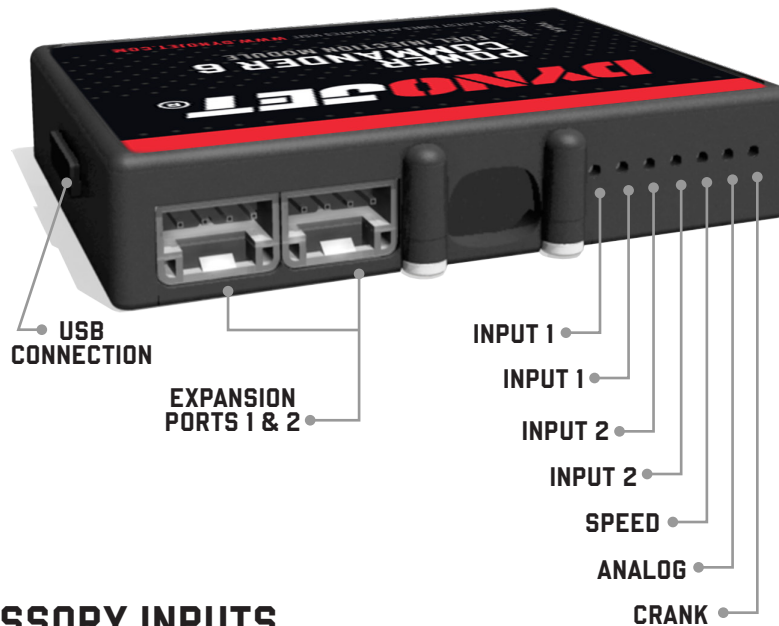
PARTS LIST

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



INPUT ACCESSORY GUIDE



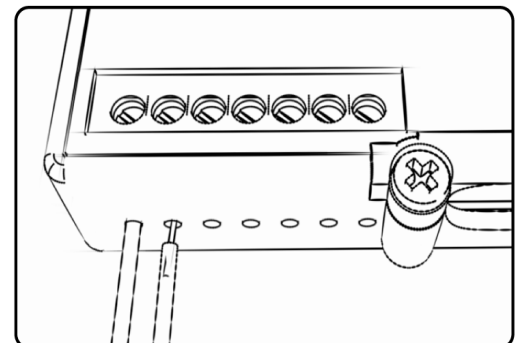
OPTIONAL ACCESSORY INPUTS

- 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.



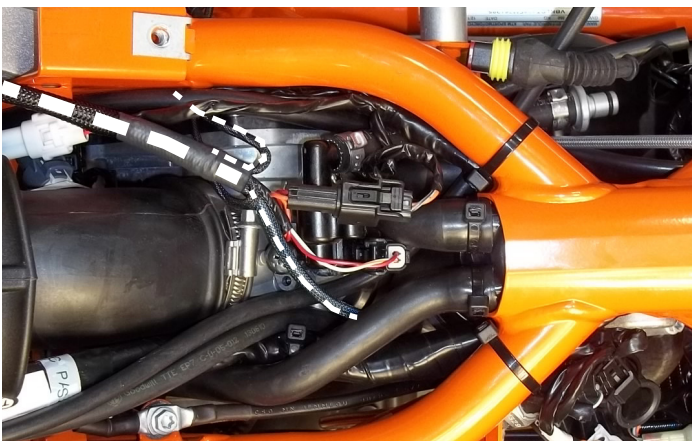
INSTALLING THE POWER COMMANDER 6



INSTALL PC6



UNPLUG INJECTOR



CONNECT TO INJECTOR

- 1 Remove both seats. Remove the two panels at both sides of the fuel tank. Remove the small panel surrounding the key switch at the front of the fuel tank. Remove the fuel tank. Remove the small plastic panel just below the fuel tank on the right side of the bike.
- 2 Store the PC6 module in the tail just under the passenger seat. Route the wiring harness forward towards the engine going left of the battery.
- 3 Using the supplied Velcro, secure the PC6 module in the tail section.

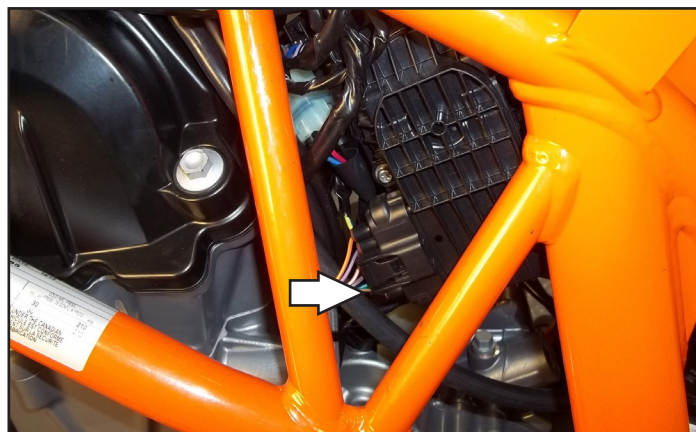
Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.
- 4 Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.
- 5 Locate and unplug the bike's Fuel Injector.

The Fuel Injector is located directly on top of the throttle body.

- 6 Plug the pair of leads with ORANGE colored wires of the PC6 wiring harness in-line of the bike's Fuel Injector and the stock wiring harness.
- 7 Route the pair of large connectors and the pair of WHITE 2-pin connectors of the PC6 wiring harness down to the left side of the throttle body where the Throttle Body Servo is located.
- 8 Route the two pairs of BLACK 2-pin connectors of the PC6 wiring harness under the frame and forward towards the Ignition Coil sticks on the right side of the cylinder head.

INSTALLING THE POWER COMMANDER 6

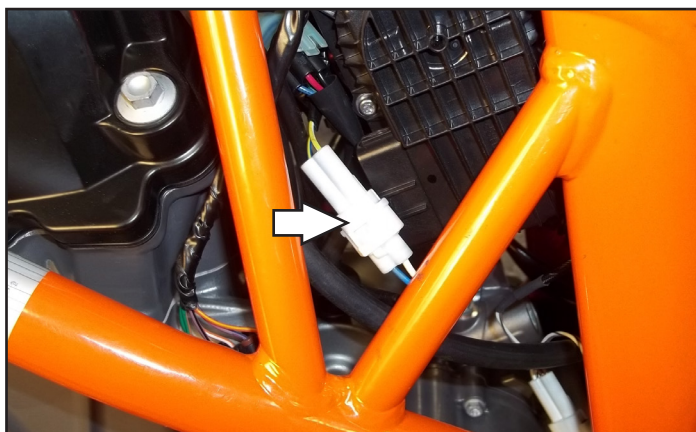
- 9 On the left side of the throttle body, locate and unplug the stock electrical connector from the Throttle Body Servo.



UNPLUG TPS

- 10 Once the Throttle Body Servo is unplugged, locate and unplug the stock Crank Position Sensor connectors just in front of the Throttle Body Servo.

This is a **WHITE** 2-pin connector pair.



UNPLUG CPS

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



CONNECT TO CPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO TPS

- 12 Plug the large pair of connectors on the PC6 wiring harness in-line of the Throttle Body Servo and the stock wiring harness.
- 13 Push the extra connector pairs inside of the frame and in front of the throttle body.



UNPLUG TPS

- 14 On the right side of the engine, locate and unplug the stock BLACK 2-pin connector from the inner coil stick and the stock WHITE 2-pin connector from the outer coil stick.



CONNECT TO COILS

- 15 Plug the pair of PC6 wiring harness leads with GREEN colored wires in-line of the inner coil stick and the stock BLACK 2-pin coil connector.
- 16 Plug the pair of PC6 wiring harness leads with BLUE colored wires in-line of the outer coil stick and the stock WHITE 2-pin coil connector.
- 17 Re-assemble the bike.
- 18 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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