

POWER COMMANDER 6

Installation Guide for: PC6-18020

Model Coverage: 2015-2020 KTM 1290 Adventure

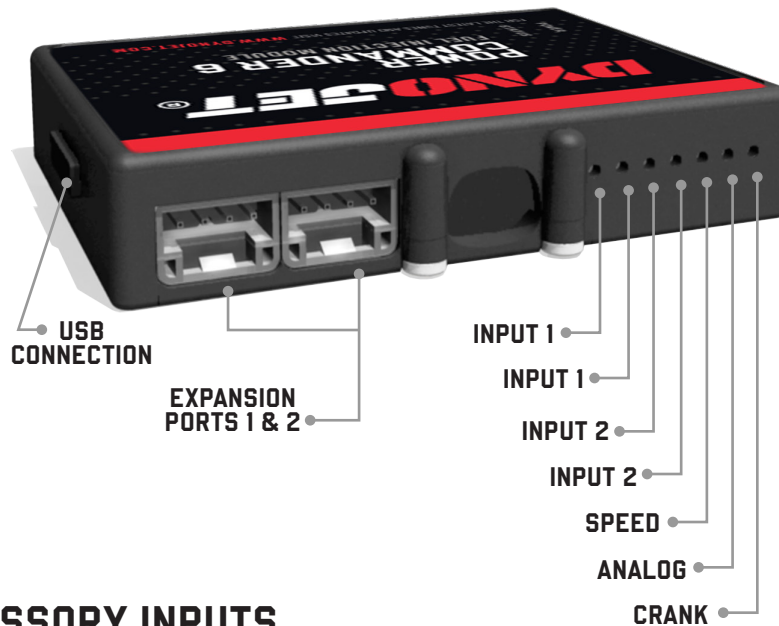
PARTS LIST

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

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



INPUT ACCESSORY GUIDE



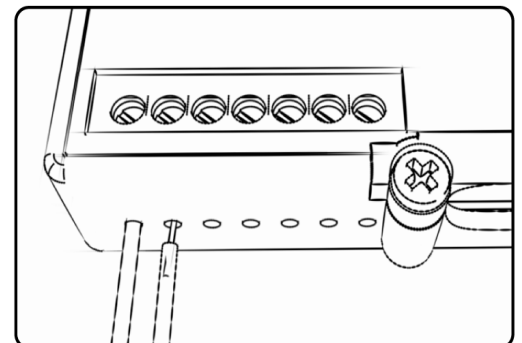
OPTIONAL ACCESSORY INPUTS

- 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 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.

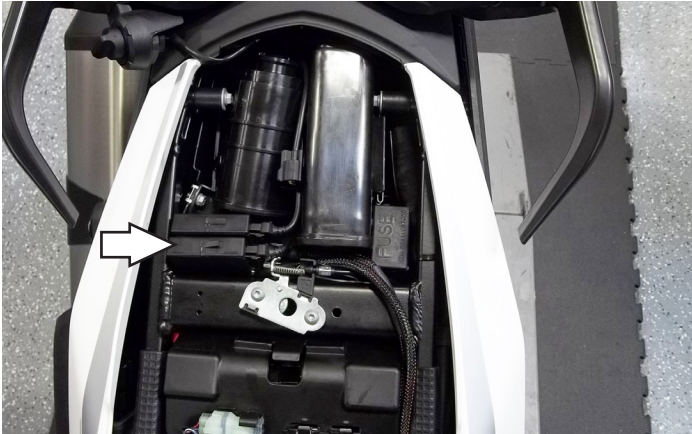
WIRE CONNECTIONS

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.



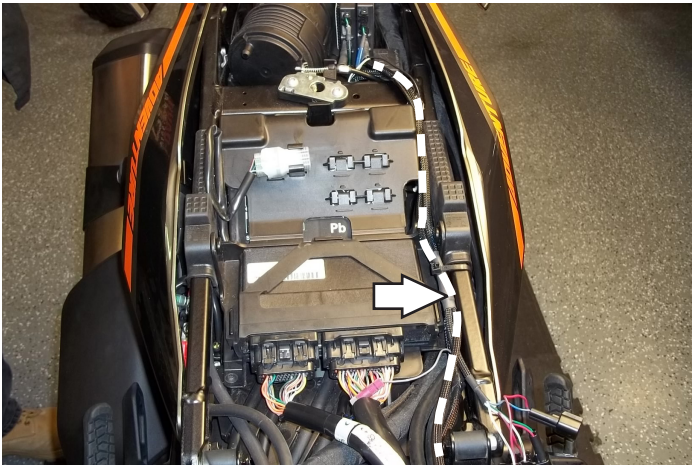
INSTALLING THE POWER COMMANDER 6



- 1 Remove both seats. Remove the 2 panels at both sides of the fuel tank. Remove the small panel on top of the fuel tank. Remove the fuel tank.
- 2 Use the supplied Velcro strips to secure the PC6 module in the tail section.

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

This image is shown with the optional Ignition Module installed also.



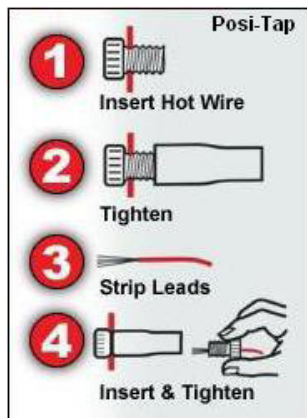
- 3 Route the PC6 harness down the left side of the motorcycle going towards the engine.



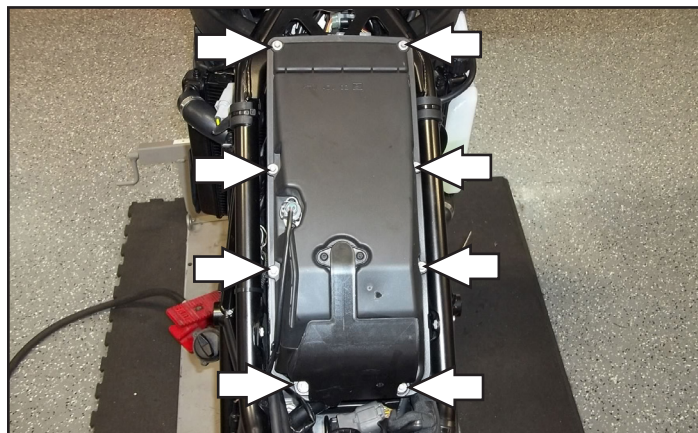
- 4 Connect the ground wire of the PC6 to the negative side of the battery.

- 5 Using the supplied Posi-tap secure the GREY wire of the PC6 to the stock ORANGE/YELLOW wire of the larger ECU connector.

This allows the PC6 to see the Throttle Position Signal.

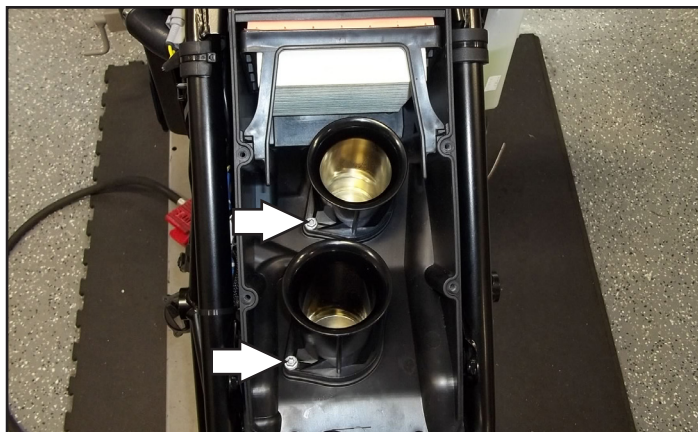


- 6 Remove the air box cover by removing the 8 bolts for the lid.

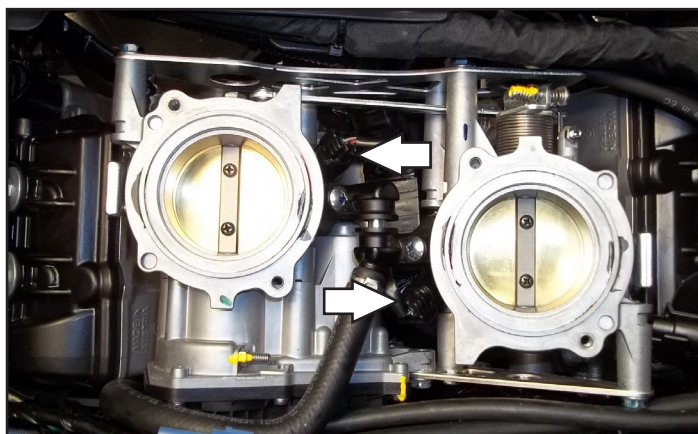


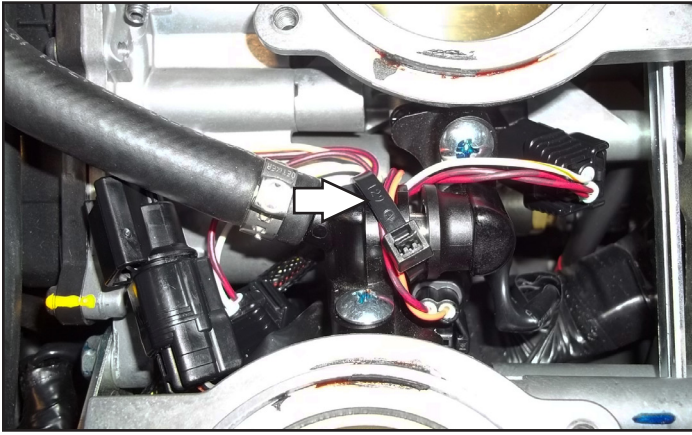
- 7 Remove the air box by removing the 4 bolts for the velocity stacks.

Two of the bolts are not shown.



- 8 Unplug the stock wiring harness from both of the fuel injectors.





- 9 Plug the PC6 harness in-line of the stock wiring harness and both fuel injectors.

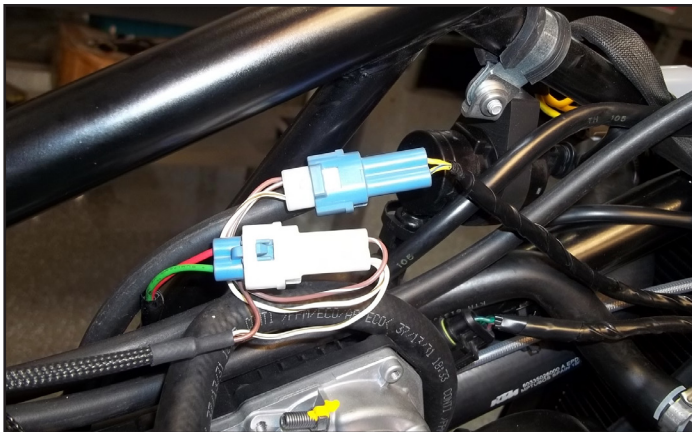
The pair of PC6 leads with ORANGE colored wires go to the front cylinder. The pair with YELLOW colored wires go to the rear cylinder.

- 10 Use the supplied zip tie to secure the PC6 wires in place. Make sure they do not interfere with the throttle linkage.



- 11 Unplug the stock wiring harness from the Crank Position Sensor.

This is a 2-pin BLUE connector pair located to the left of the throttle bodies.



- 12 Plug the PC6 connectors with the BROWN/WHITE and WHITE/BROWN wires in-line of the stock Crank Position Sensor connectors.
- 13 Reinstall the air box, the fuel tank, all of the removed bodywork, and the seats.

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



PUSH THE LIMIT

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