POWER COMMANDER 6

Installation Guide for: PC6-18030

Model Coverage: 2019-2020 KTM 690R Enduro

PARTS LIST

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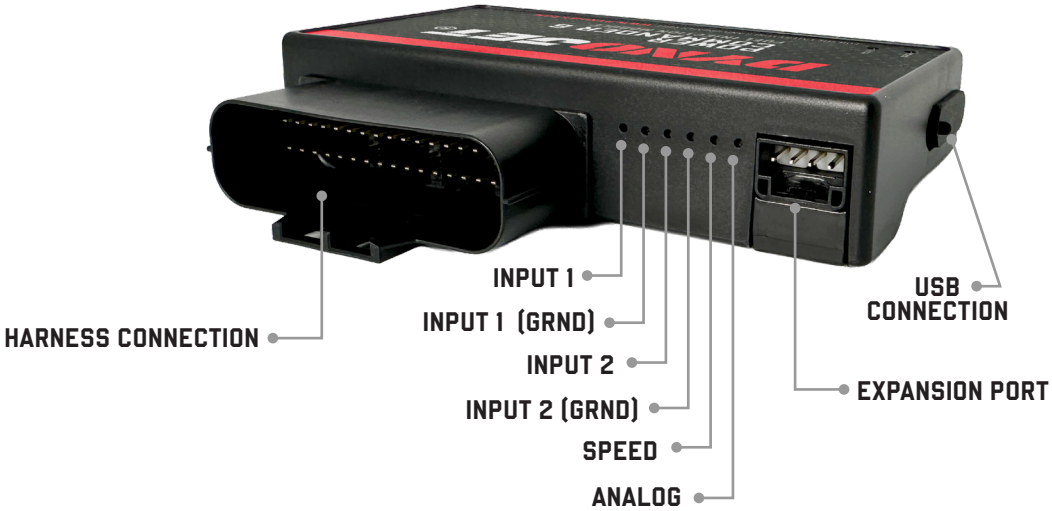
1	INSTALLATION GUIDE	2	VELCRO STRIPS
1	USB CABLE	1	ALCOHOL SWAB
2	DYNOJET DECALS		

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

IPC6-18030.02

INPUT ACCESSORY GUIDE—NEW PC6



INSTALLATION—HARNESS CONNECTION

Route the PC6 harness following the instructions in this guide. To complete installation, click the harness and module together and secure the PC6 in the location as described.

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.

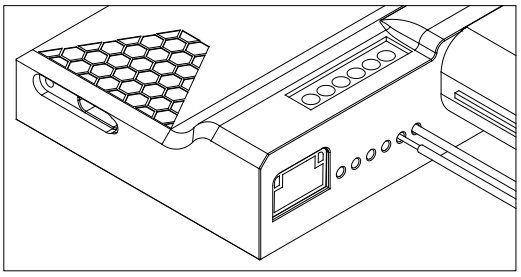
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.



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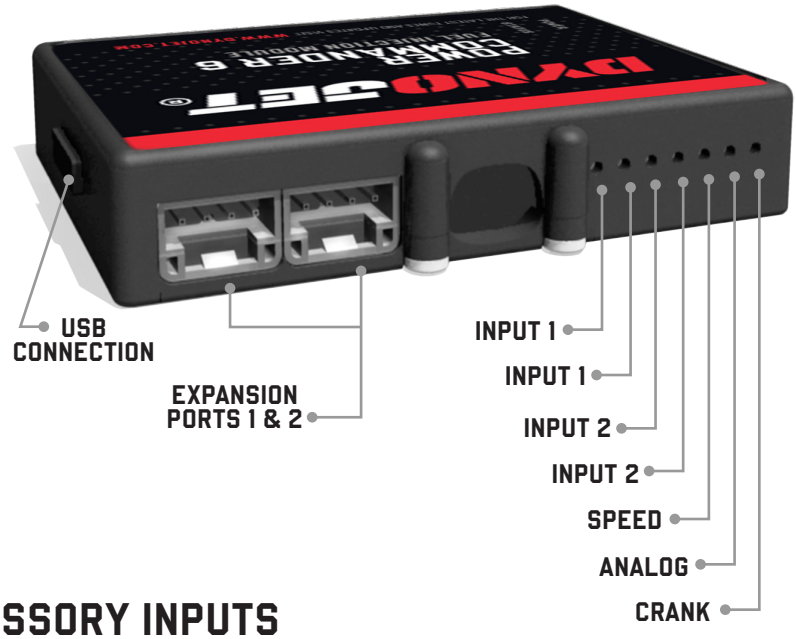

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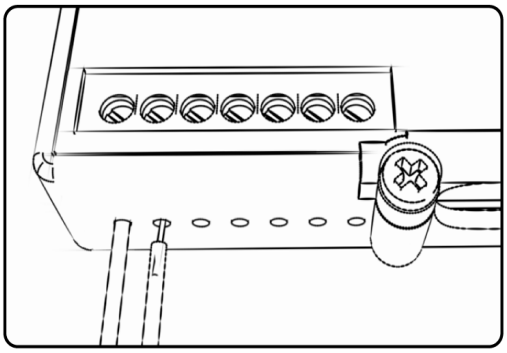
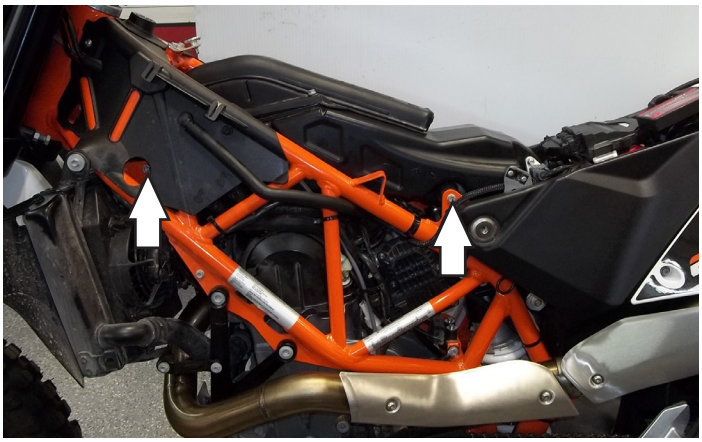


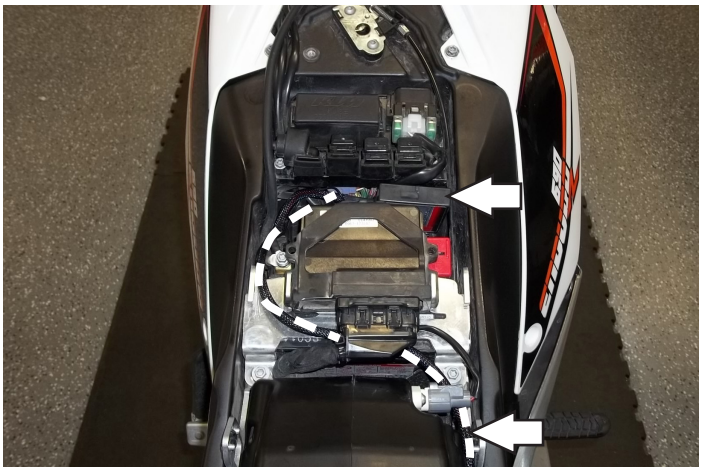
INSTALLING THE POWER COMMANDER 6



1 Remove the seat. Remove the 2 panels at both sides of the fuel tank.

2 Remove the air box by removing the 4 bolts. Loosen the clamp at the throttle body.

This image only shows one side. Remove same bolts on other side.

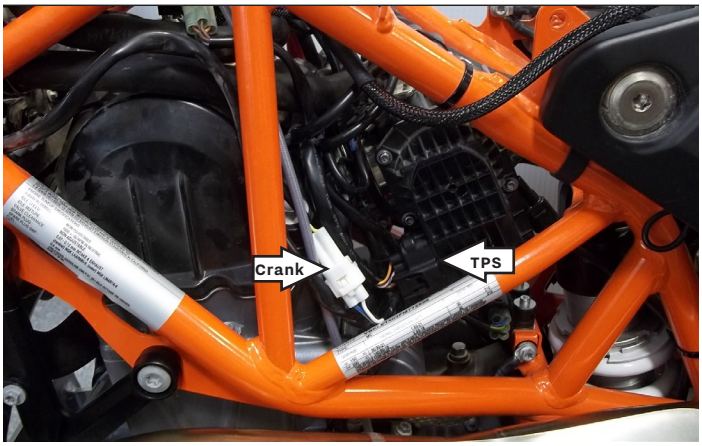


3 Store the PC6 module in the tail just behind the ECU. Route the wiring harness forward towards the engine going around the ECU and down the left side of the motorcycle.

4 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.

5 Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.



6 Unplug the stock Throttle Position Sensor.

This is a BLACK 6-pin connector on the left hand side of throttle body.

7 Unplug the stock Crank Position Sensor.

This is a WHITE 2-pin connector.

8 Plug the PC6 in-line of the stock CPS and TPS.

9 Secure the wires away from any moving parts.

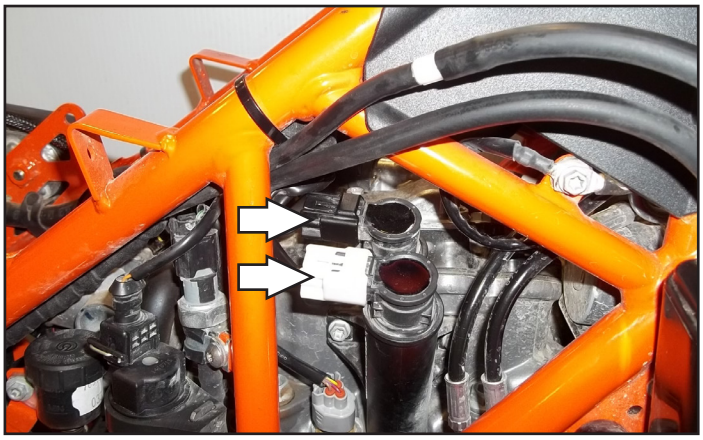
10 Route the remaining PC6 harness to the right side of the motorcycle.

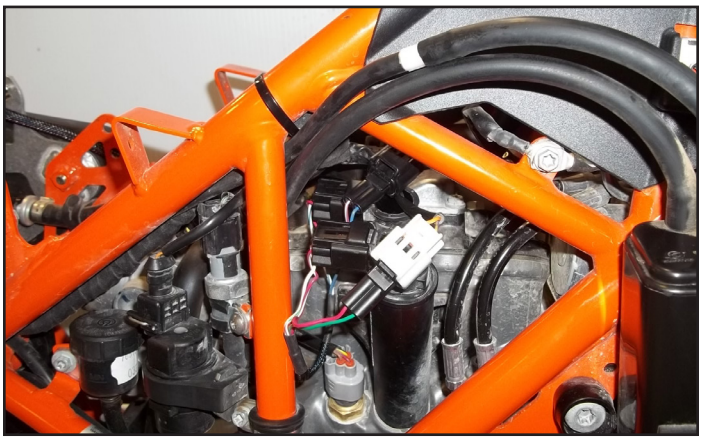
11 Locate and unplug the bike's Fuel Injector.

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

12 Plug the PC6 in-line of the stock injector and wiring harness.

13 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.





14 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.

15 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.

16 Reinstall the air box and bodywork.

17 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.

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