

POWER COMMANDER 6

Install guide for: PC6-18028

Model coverage: 2019-2020 KTM 790 Duke

**POWER
COMMANDER**

PARTS LIST

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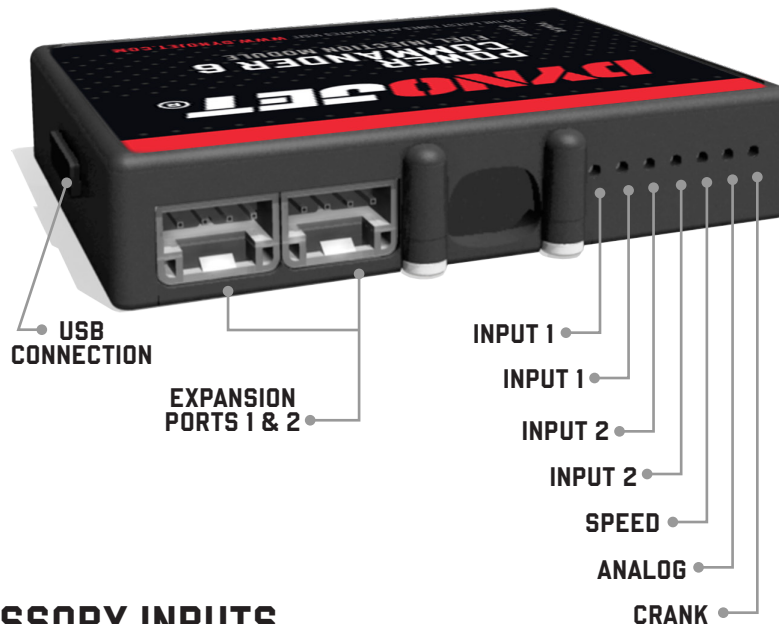
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|----------------------|--------------------------|
| 1 POWER COMMANDER 6 | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 DYNOJET DECALS | 2 POSI-TAPS |

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

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IPC6-18028.01

INPUT ACCESSORY GUIDE



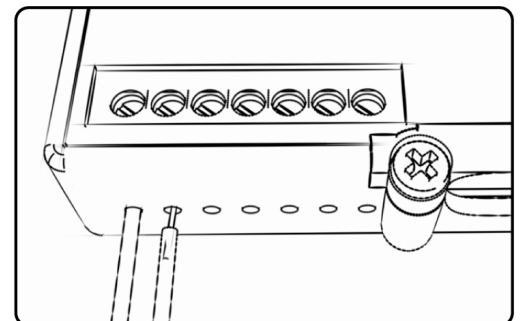
OPTIONAL ACCESSORY INPUTS

- 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 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.

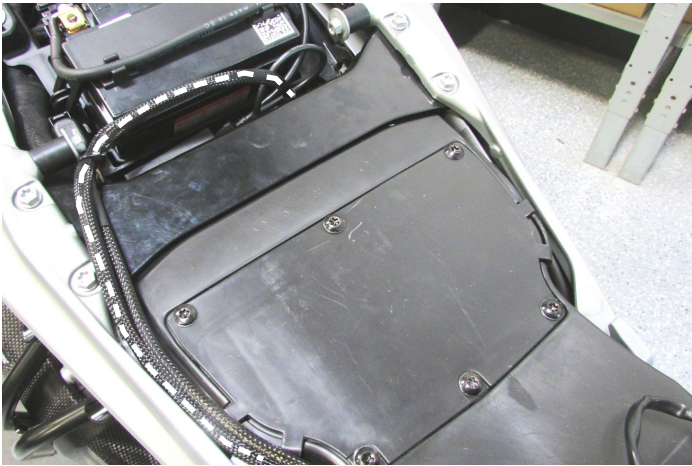


INSTALLING THE POWER COMMANDER 6

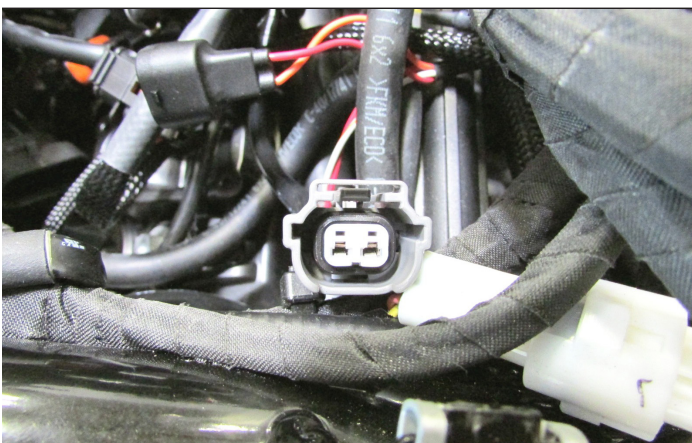


- 1 Remove the seat, fuel tank, and air box.
- 2 Store the PC6 module in the front of the battery compartment.

Use the supplied Velcro to secure the module.
Use the alcohol swab to clean the surfaces before attaching the Velcro.



- 3 Route the PC6 wiring harness forward towards the engine following closely to the stock wiring harness.



- 4 Unplug both fuel injectors.
- 5 Plug the pair of PC6 connectors with ORANGE colored wires in-line of the left cylinder Fuel Injector and the stock wiring harness.

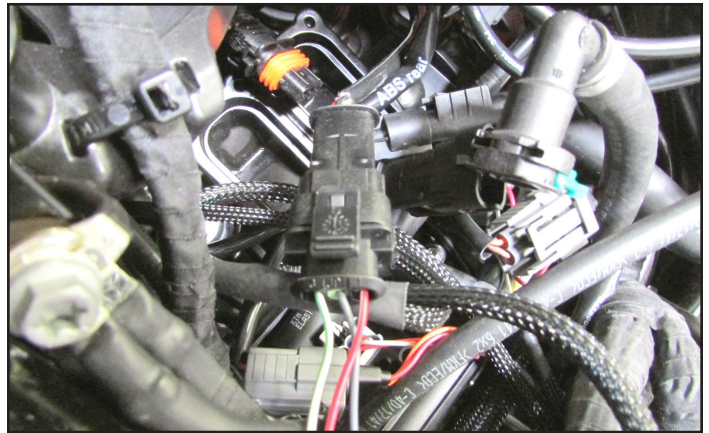
Plug the pair of PC6 connectors with YELLOW colored wires in-line of the right cylinder Fuel Injector and the stock wiring harness.

6 Unplug the stock Ignition Coil connectors.



7 Plug the pair of PC6 connectors with GREEN and BLUE colored wires in-line of the stock Ignition Coil connectors.

8 Secure the PC6 ground wire with the small ring terminal to the stock common ground bolt.

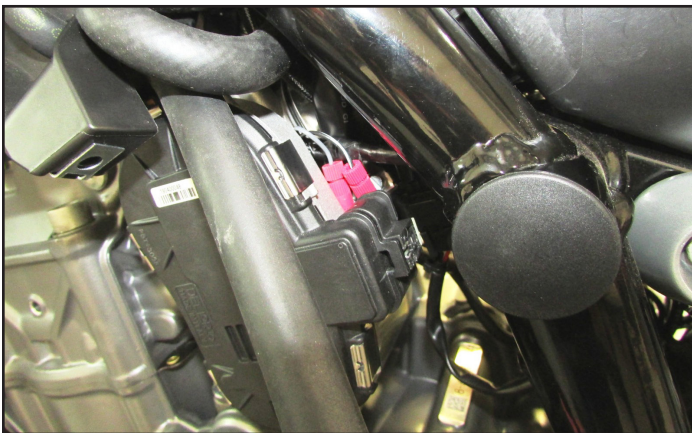
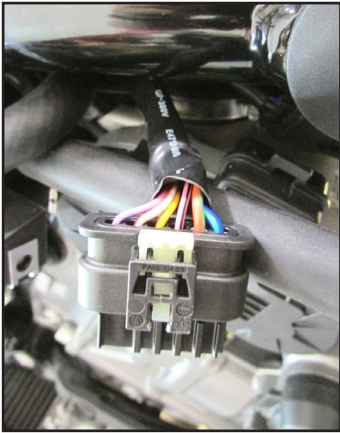


9 Unplug the Stock Crank Position Sensor connectors.
This is a BLUE 2-pin connector pair located above the left side of the cylinder head.

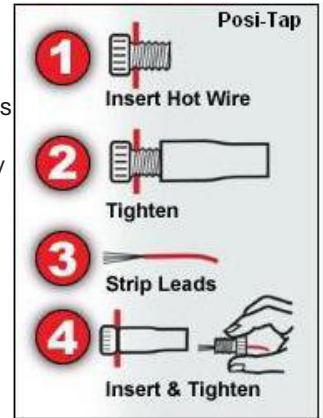


10 Plug the pair of PC6 connectors with BROWN colored wires in-line of the stock Crank Position Sensor connectors.





- 11 Unplug the Throttle Body Servo connector.
- 12 Use the supplied Posi-taps to attach the PC6 GREY wire to the stock YELLOW/RED wire. Also attach the PCV BLACK/WHITE wire to the stock PINK/BLACK wire.



- 13 Plug the stock connector back on to the Throttle Body Servo.
- 14 Reinstall the air box, fuel tank, and seat.
- 15 Affix the supplied CARB E.O. label to a conspicuous area. The best location is next to the original emissions label. Make sure to clean the surface before attaching the label.

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PUSH THE LIMIT

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