

POWER COMMANDER 6

Install Guide for: PC6-18026

Model coverage:

2017-2019 KTM 350 EXC-F

2017-2019 KTM 450 EXC-F

2017-2019 KTM 500 EXC-F

PARTS LIST

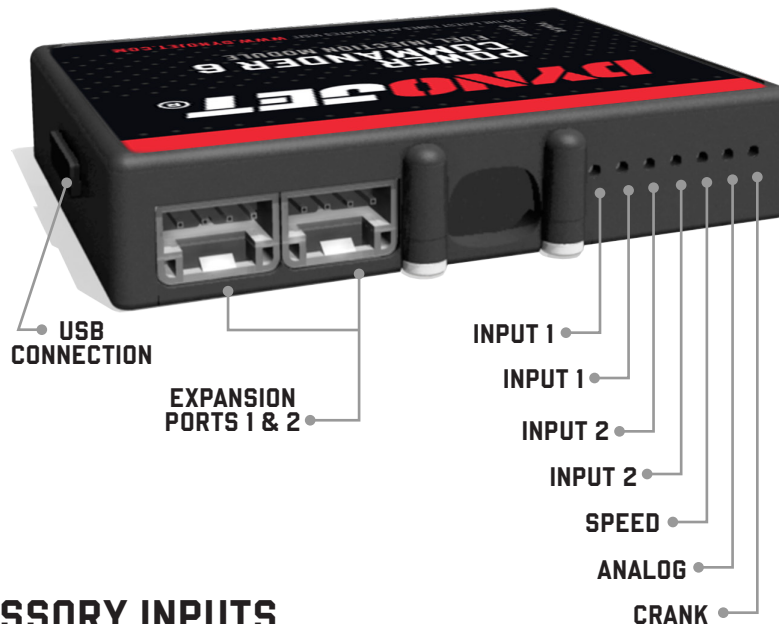


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|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6 | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | 1 | EO LABEL |

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



INPUT ACCESSORY GUIDE



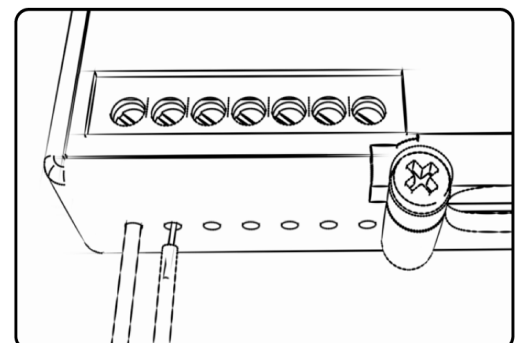
OPTIONAL ACCESSORY INPUTS

- 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



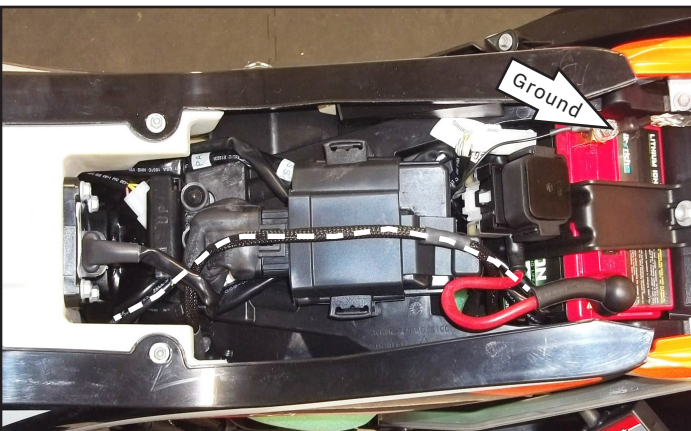
REMOVE BODYWORK

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



INSTALL PC6

- 5 Use the supplied Velcro strips to secure the PC6 module to the left side of the rear fender.
Clean surfaces with the alcohol swab before attaching the Velcro.
- 6 Route the PC6 wiring harness upwards towards the battery staying inside of the frame rails.



ATTACH GROUND WIRE

- 7 Secure the PC6 ground wire with the small ring terminal to the negative (-) side of the bike's battery.
- 8 Continue routing the PC6 wiring harness towards the left side of the engine. The harness branch with four connectors will need to go to the left side of the throttle body. The branch with only two connectors will go to the top of the cylinder head.

INSTALLING THE POWER COMMANDER 6

- 9 Unplug the Fuel Injector and the Throttle Position Sensor.

There is a plastic cover over the TPS. If you remove the bottom screw on this cover it will help.



UNPLUG TPS & INJECTOR

- 10 Plug the pair of 3-pin connectors of the PC6 wiring harness in-line of the TPS.
- 11 Plug the pair of 2-pin connectors of the PC6 wiring harness in-line of the Fuel Injector.

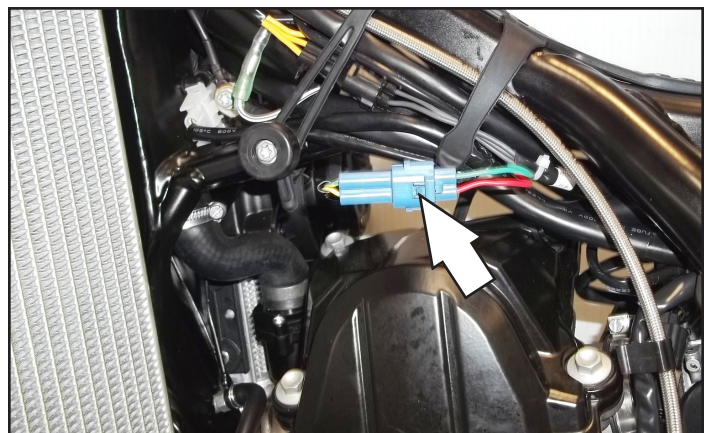
Replace the TPS cover.



CONNECT TO TPS & INJECTOR

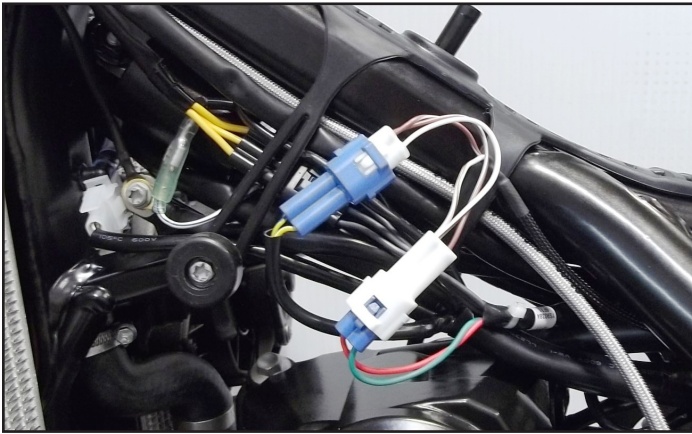
- 12 Unplug the stock Crank Position Sensor connectors.

This is a BLUE 2-pin connector pair located above the cylinder head.



UNPLUG CPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO CPS

- 13 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
- 14 Reinstall the fuel tank, bodywork, and the seat.
- 15 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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