

POWER COMMANDER 6

Installation Guide for: PC6-18029

Model Coverage: 2018-2020 KTM 250/300 TPI

PARTS LIST

- | | |
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| 1 POWER COMMANDER 6 | 2 POWER COMMANDER DECALS |
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| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 DYNOJET 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 the seat. Remove the left and right side radiator shrouds. Remove the side panels/number plates.
- 2 Remove the fuel tank.
- 3 Secure the PC6 module to the bottom of the air box, next to the battery and the side of the sub frame. The PC6 will be hidden from view, but make sure to orient the cable up, as shown, with the USB plug facing the air filter.

Use the supplied Velcro strips to secure the module. Clean surfaces with the alcohol swab before attaching the Velcro.

- 4 Route the PC6 wiring harness up towards the battery and the top of the sub frame staying inside the frame rails as shown.



- 5 Secure the PC6 ground wire with the small ring terminal to the negative (-) side of the bike's battery.
- 6 Carefully pull one side of the ECU off the rubber studs and route the PC6 wiring harness under the ECU as shown.



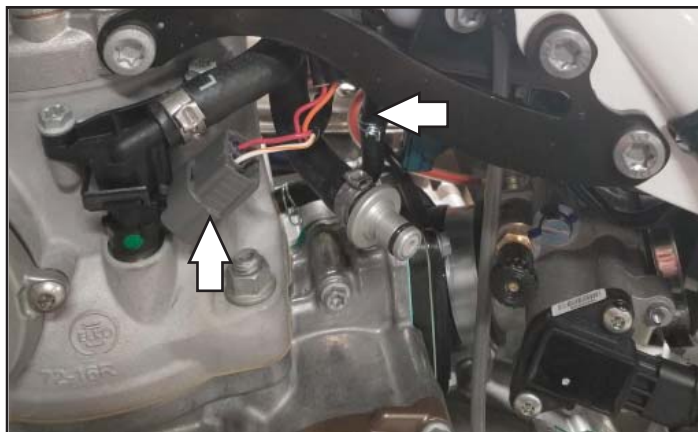
- 7 Locate the TPS on the left side of the throttle body as shown. Remove the plastic cover that protects the TPS.
- 8 Attach the pair of 4-pin connectors from the PCV wiring harness to the TPS and the stock connector.



- 9 Loop the PC6 wiring harness up inside of the frame rail. Using a zip tie, secure the PC6 wiring harness to the harness running near the throttle body.
- 10 Replace the TPS cover.
- 11 Continue routing the PC6 wiring harness towards the left side of the engine. The harness will need to be routed through the open triangle in the frame and above the oil tank mount as shown. Zip tie the PC6 wiring harness in place as needed.



- 12 Route the PC6 wiring harness with four connectors down to the injectors located on both sides of the cylinder.
- 13 Attach the 2-pin connectors from the PC6 wiring harness to the left injector and factory harness as shown. Be sure to replace the factory cover over the connectors.



- 14 Attach the 2-pin connectors from the PC6 wiring harness to the right injector and factory harness as shown. Be sure to replace the factory cover over the connectors.





- 15 Locate the stock Crank Position Sensor connectors on the left side of the bike as shown.

The Crank Position Sensor is a blue 2-pin connector pair located above the cylinder head and in front of the ignition coil.

- 16 Attach the connectors from the PC6 wiring harness to the stock Crank Position Sensor connectors. Tuck the connectors into the frame on the right side of the bike and in front of the coil as shown.



- 17 Attach the connectors from the PC6 wiring harness to the stock ignition coil connectors. Align the connectors parallel with the upper frame spar.

- 18 Tuck the PC6 wiring harness and all connectors under the factory rubber straps. Make sure the harness does not interfere with the fuel tank.

- 19 Reinstall the fuel tank, bodywork, and the seat.

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PUSH THE LIMIT

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