

POWER COMMANDER 6

Installation Guide for: PC6-16066

Model Coverage: 2017-2018 Honda CRF450R/RX

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 | |

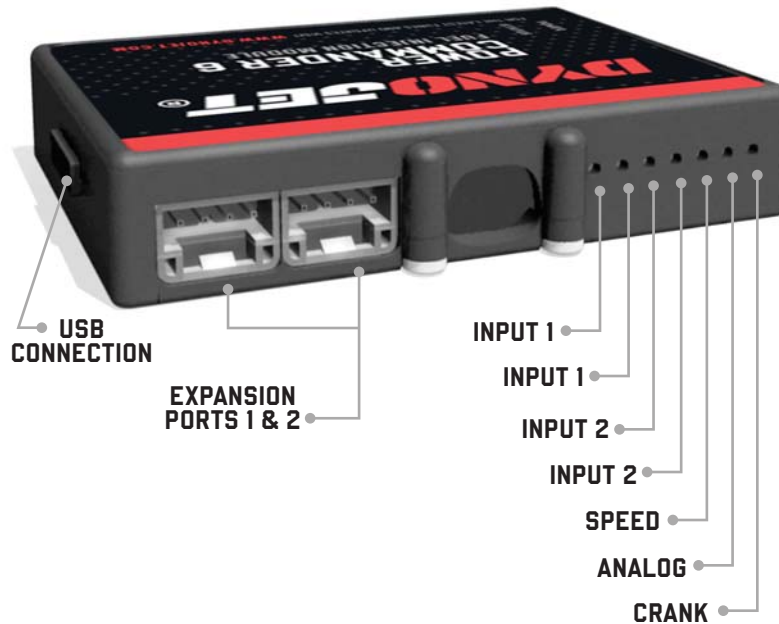
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-16066.01



INPUT ACCESSORY GUIDE



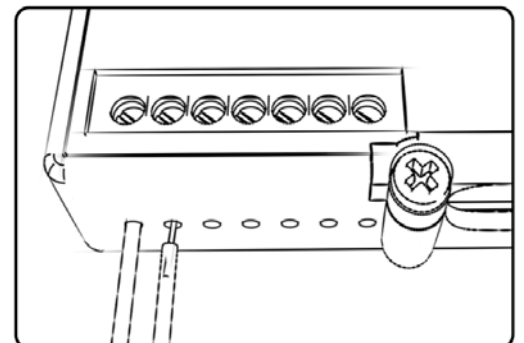
OPTIONAL ACCESSORY INPUTS

- 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 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.

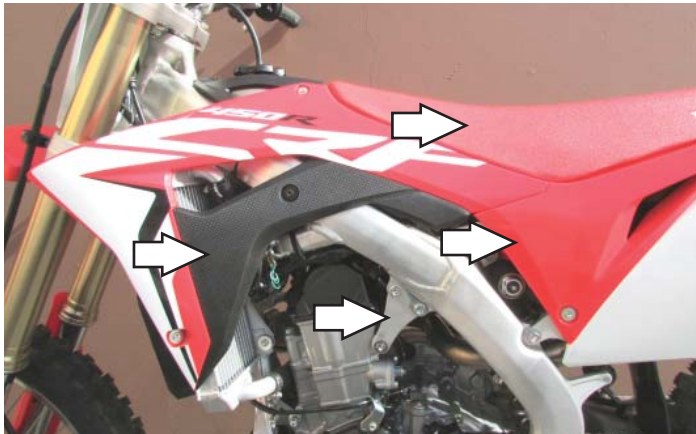
WIRE CONNECTIONS

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, side covers, and radiator shrouds. Remove the engine mounting bracket on the left side of the bike.

- 2 Remove the fuel tank.

The fuel tank does not need to be removed entirely. You can just loosen it. You need to be able to access the fuel injector.



- 3 Use the supplied Velcro to secure the PC6 module to the top of the rear fender just behind the air box. For the 2018 model secure the PC6 to the battery.

Clean surfaces with the supplied alcohol swab before attaching the Velcro.

- 4 Route the PC6 wiring harness forward towards the engine following along the left side frame rail.



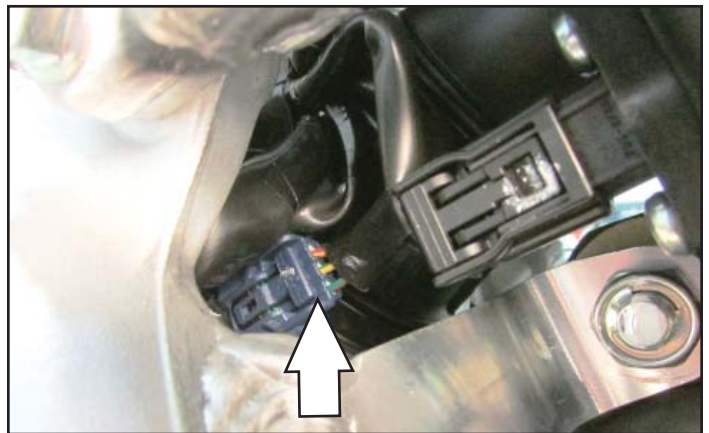
- 5 Unplug the Fuel Injector.

- 6 Plug the PC6 wiring harness in-line of the Fuel Injector and the stock wiring harness.



- 7 Unplug the Throttle Position Sensor at the left side of the throttle body.

This connector can be difficult to access. It is a BLUE 3-pin connector.

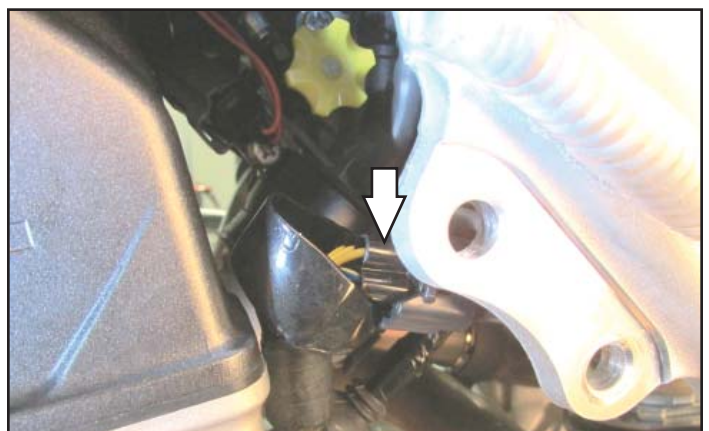


- 8 Plug the PC6 wiring harness in-line of the TPS and the stock wiring harness.



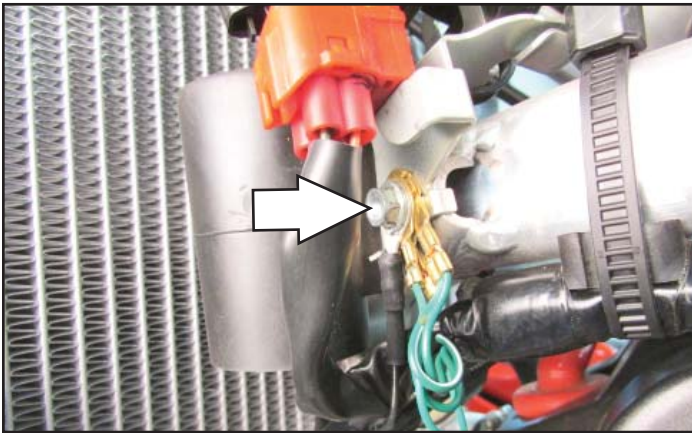
- 9 Unplug the stock Crank Position Sensor connectors.

This is a BLACK 6-pin connector pair. It is located behind the engine mounting bracket that was removed in step 1. It is covered with a BLACK rubber boot.





- 10 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
- 11 Reinstall the left side engine mounting bracket.



- 12 Secure the PC6 ground wire with the small ring terminal to the stock common ground bolt on the left side of the frame.
- 13 Reinstall the fuel tank, seat, and side covers.

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



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