

POWER COMMANDER 6

Installation Guide for: PC6-16037

Model Coverage: 2013-2016 Honda CRF450R

PARTS LIST



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

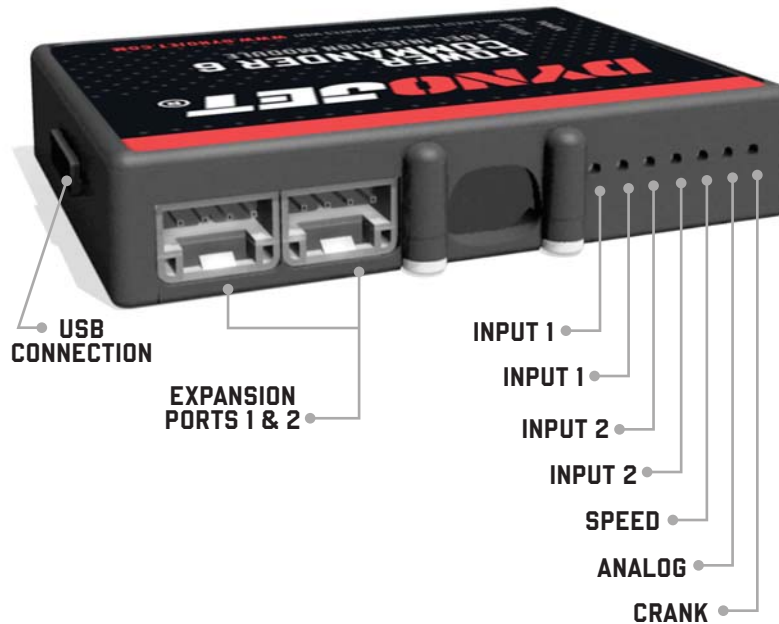
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-16037.01



INPUT ACCESSORY GUIDE



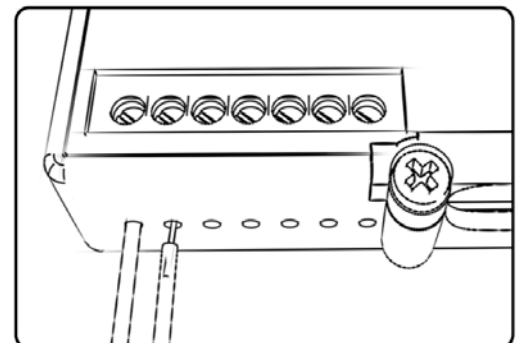
OPTIONAL ACCESSORY INPUTS

- 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 and fuel tank.
- 2 Using the supplied Velcro, secure the PC6 to the rear fender.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

- 3 Route the PC6 wiring harness down the left frame rail towards the engine.



- 4 Unplug the stock wiring harness from the injector.



- 5 Connect the PC6 in-line of the stock wiring harness and the injector.

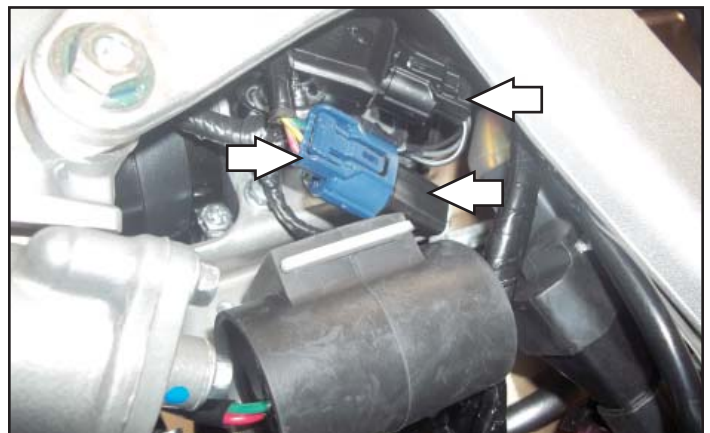
- 6 Unplug the Throttle Position Sensor harness.

This connector is located on the left side of the throttle body to the inside of the frame.

This connector is BLUE.



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



- 8 Unplug the crank position sensor connector.

This is a BLACK 6-pin connector above the throttle body.



- 9 Plug the PC6 in-line of the stock wiring harness and crank position sensor connector.





- 10 Plug the PC6 wiring harness in-line of the ignition coil and the stock coil wires.

The **GREEN** wires of the PC6 go to the **GREEN** tab of the ignition coil and the stock wire with the **WHITE** connector.

The **RED** wires of the PC6 go to the **BLACK** tab of the ignition coil and the stock wire with the **BLACK** connector.



- 11 Secure the ground wire of the PC6 wiring harness with the 6mm ring lug to the stock ground location.

This bolt is on the mounting bracket for the ignition coil in front of the engine.

- 12 Reinstall the fuel tank and seat.

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



PUSH THE LIMIT

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