

# POWER COMMANDER 6

Installation Guide for: PC6-19023

Model Coverage:

**2014-2021 Polaris Scrambler 1000\***

\*This unit only fits models with cable driven throttle bodies.

Throttle By Wire models should use PCV PN: 19-048.

## 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     |                          |

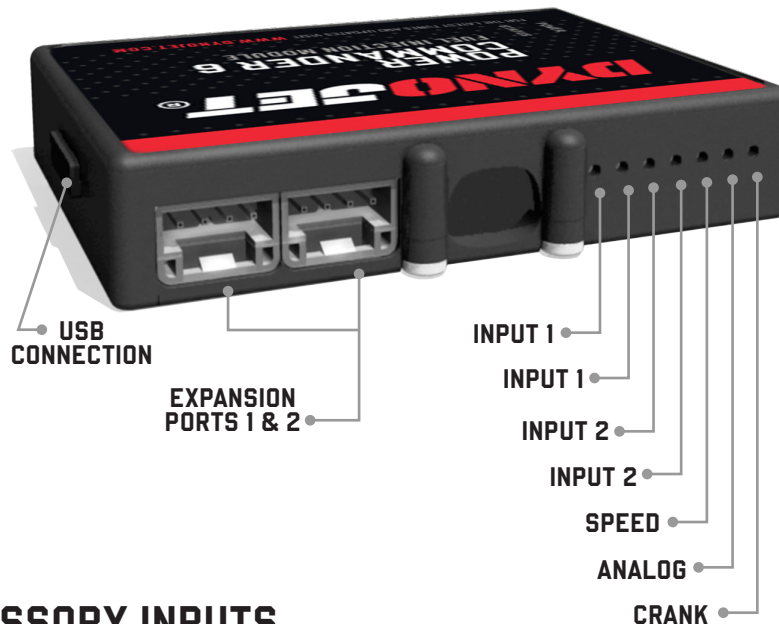
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.  
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-19023.01



# INPUT ACCESSORY GUIDE



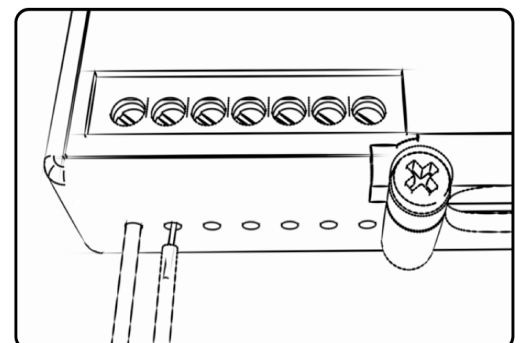
## OPTIONAL ACCESSORY INPUTS

- 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.

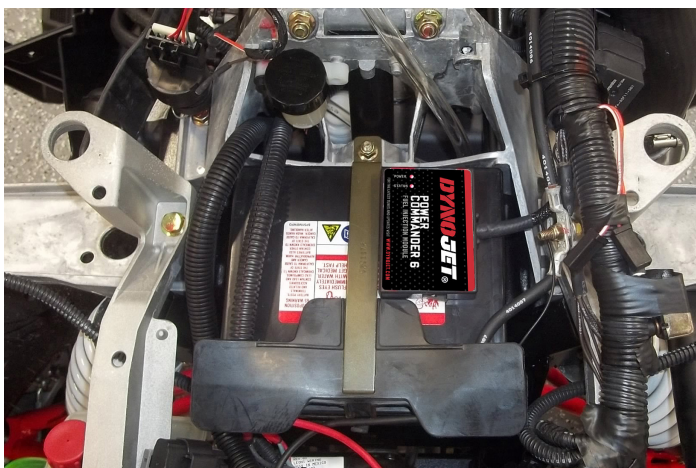
NOTE: If you tin the wires with solder it will make inserting them easier.



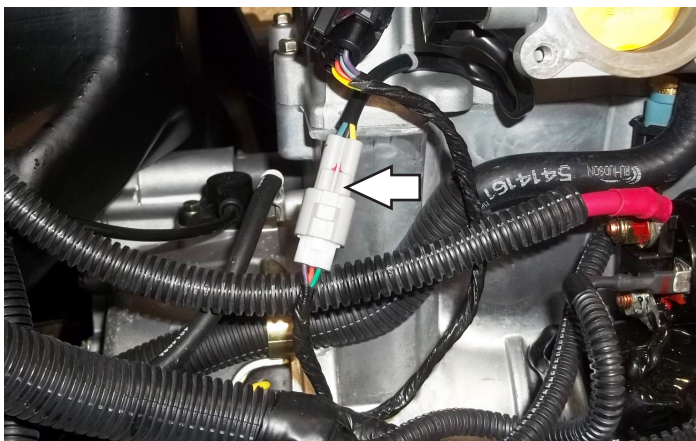
# INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat and front fenders.
- 2 Remove the air box.



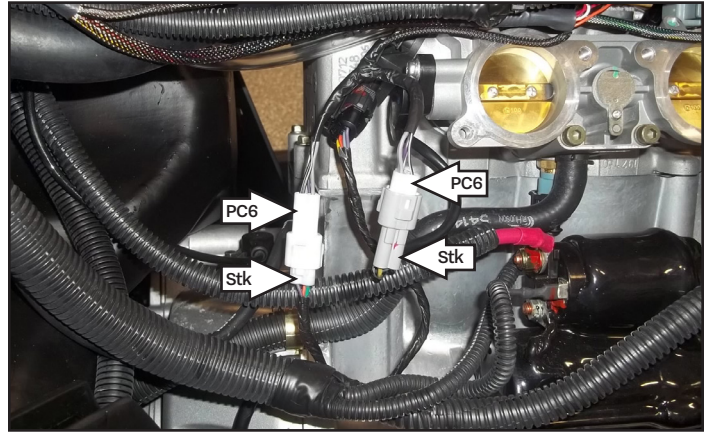
- 3 Install the PC6 on top of the stock battery using the supplied velcro.  
  
Make sure that the unit is installed to the rear, left corner of the battery and to clean both surfaces before attaching with the alcohol swab.
- 4 Attach the ground wire of the PC6 to the negative side of the battery.
- 5 Route the PC6 harness to the left side of the ATV following the upper frame tube.



- 6 Unplug the stock wiring harness from the Throttle Position Sensor.  
  
This connection is a 3-pin connector. One side is GREY and the other is WHITE and it is located on the front side of the throttle bodies.



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



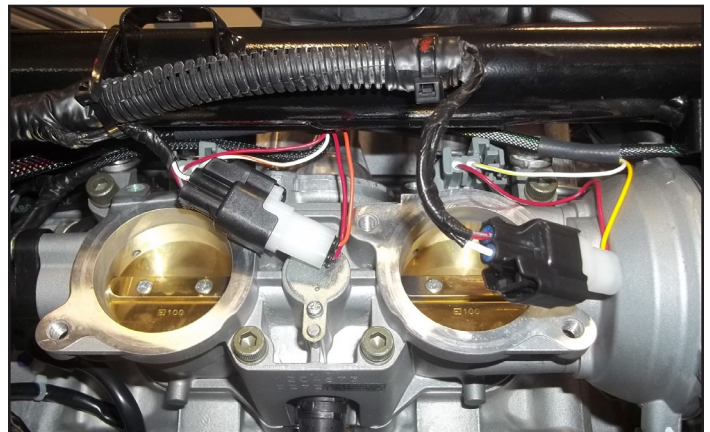
- 8 Unplug the stock wiring harness from both fuel injectors.



- 9 Plug the PC6 in-line of the stock wiring harness and injectors.

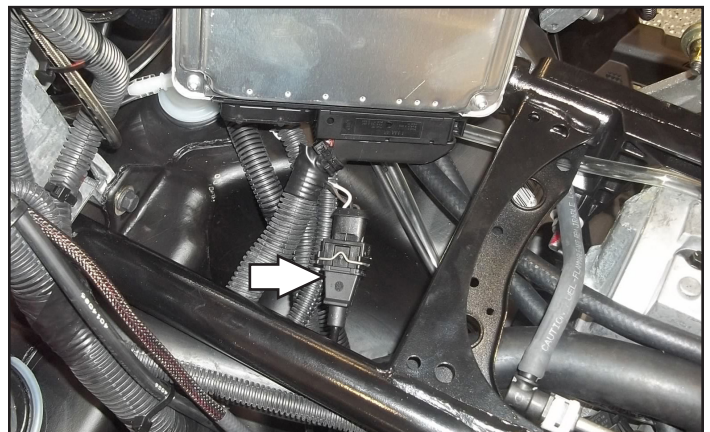
Connect the ORANGE colored wires of the PC6 to the front cylinder.

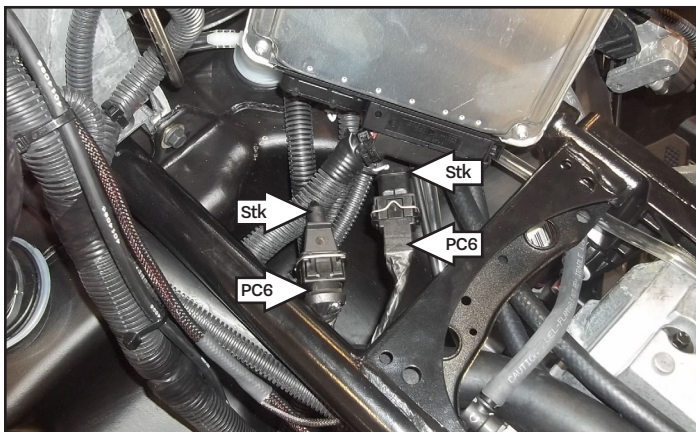
Make sure the PC6 harness is routed above the throttle bodies so they do not get pinched when reinstalling the air box.



- 10 Locate the stock Crank Position Sensor connector and unplug it.

This is a BLACK 3-pin connector located near the ECM, underneath the air box.





- 11 Plug the PC6 harness in-line of the stock CPS and wiring harness.



- 12 Locate and unplug the stock wiring harness from the Ignition Coil.

The coil is located under the seat near the rear of the engine.



- 13 Plug the PC6 harness in-line of the stock coil and wiring harness.
- 14 Reinstall all bodywork.

To see a video of this installation, visit our channel on YouTube (DynojetResearch).

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).



# **PUSH THE LIMIT**

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