

POWER COMMANDER 6

Installation Guide for: PC6-19006

Model coverage: 2009-2016 Victory Vision
106" Freedom engine

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 | |

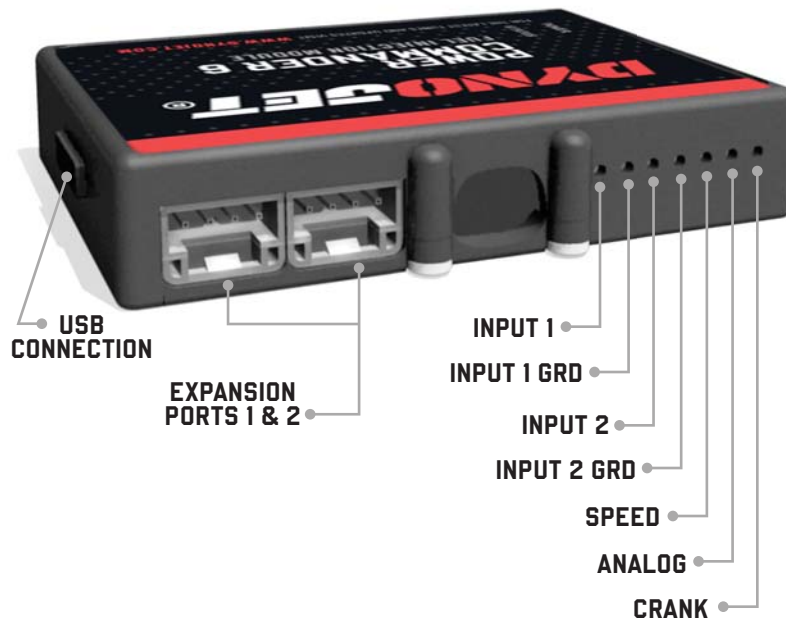
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-19006.01



INPUT ACCESSORY GUIDE



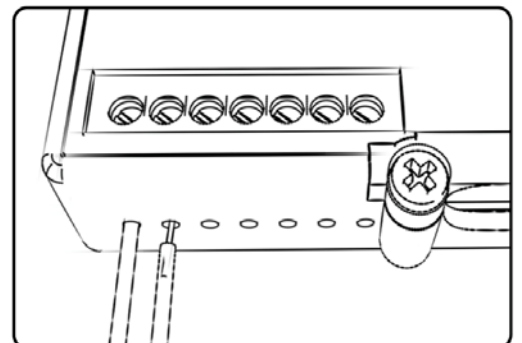
OPTIONAL ACCESSORY INPUTS

- 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** Not needed on Harley applications as the speed signal wire is built into the main wiring harness of the PC6.
- 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.
- 2 Remove both side covers.



- 3 Using the supplied Velcro, install the PC6 on the right side of the motorcycle.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.
- 4 Route the PC6 harness to the left side of the bike. Keep the PC6 harness as close to the frame as possible.



- 5 Route the PC6 harness along the backbone of the frame along the left side of the bike and go towards the throttle body.

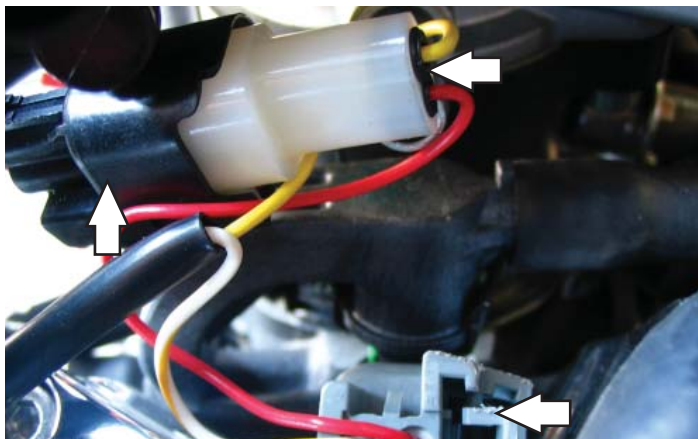
- 6 Locate the stock wiring harness at the rear injector. Lift up on the RED clip and unplug the injector connector.



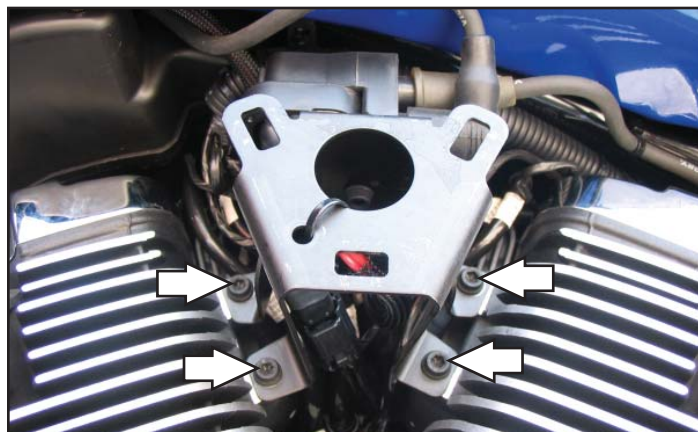
- 7 Plug the pair of leads with the YELLOW colored wires from the PC6 in-line of the stock wiring harness and fuel injector.

- 8 Repeat steps 6 and 7 for the front injector using the pair of leads with ORANGE colored wires from the PC6.

The front injector is very difficult to access but it can be done without removing the air box. Using a set of long hemostats aids in this process.

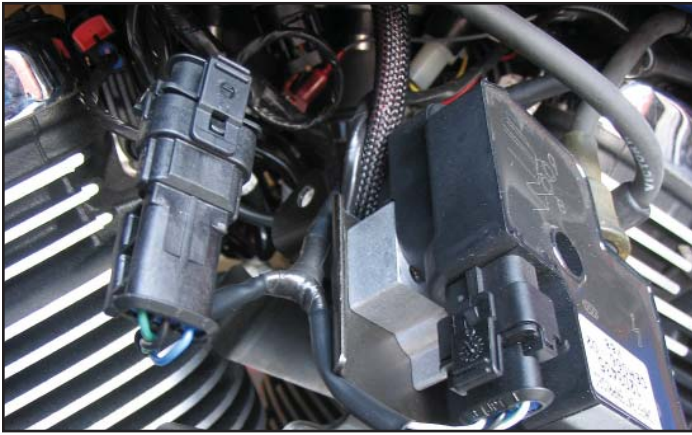


- 9 Remove the four bolts that hold the Ignition Coil bracket to the engine.

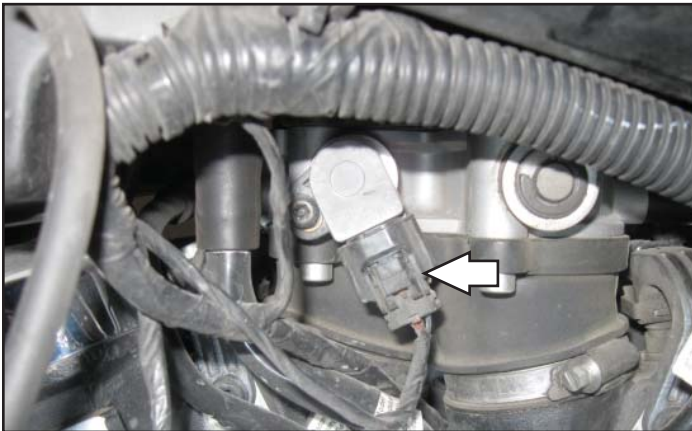


- 10 Unplug the stock wiring harness from the Ignition Coil.



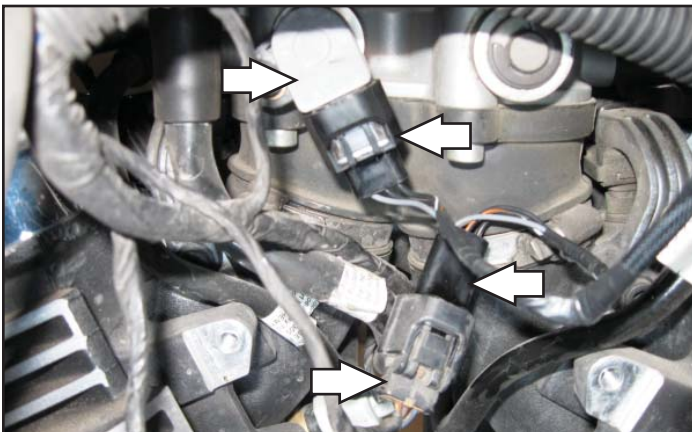


- 11 Plug the PC6 wiring harness in-line of the stock wiring harness and Ignition Coil.

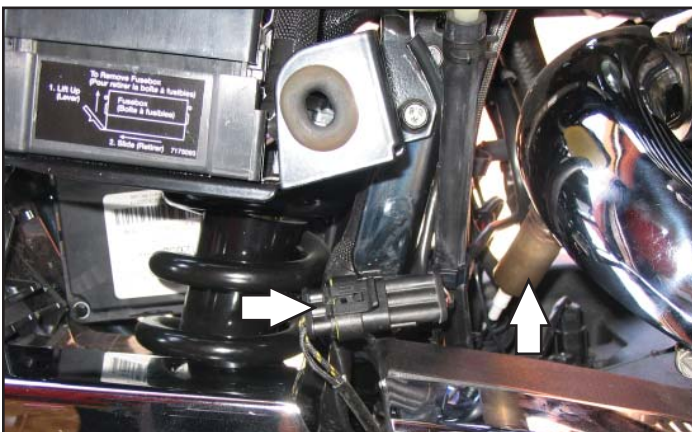


- 12 Locate the Throttle Position Sensor wiring harness on the left hand side of the throttle bodies. Unplug the stock wiring harness from the TPS.

This is located behind the Ignition Coil.



- 13 Plug the PC6 wiring harness in-line of the TPS and the stock wiring harness.
- 14 Reinstall the Ignition coil bracket.



- 15 Locate the crank pickup coil connector on the right hand side of the bike near the rear shock.
This is a **BLACK 3-pin connector**.
- 16 Unplug this connector.

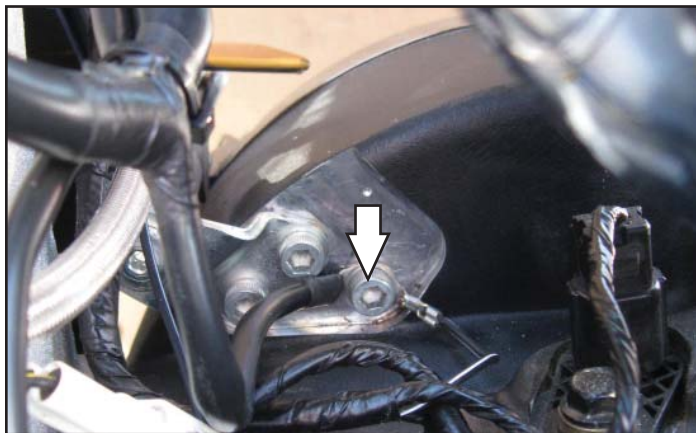
- 17 Plug the PC6 harness in-line of the stock wiring harness and crank pickup coil connector.



- 18 Attach the ground wire from the PC6 to the stock ground location which is on the inside of the left engine case.

This is near the rear exhaust and speed sensor.

- 19 Reinstall the side covers and the seat.



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

Optional inputs:

Speed input - sensor is behind rear cylinder on top of engine case - GREEN/BLUE is the signal wire.

Temperature input - ORANGE/BLUE wire of sensor on backside of front cylinder.

12v source for Auto-tune - PINK wire of accessory plug behind left side cover.



PUSH THE LIMIT

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