POWER COMMANDER 6

Installation Guide for: PC6-15019-PTI

Model coverage: 2014-2016 Harley Davidson
Touring models with 103” / 110” Twin Cam excludes Tri-Glide

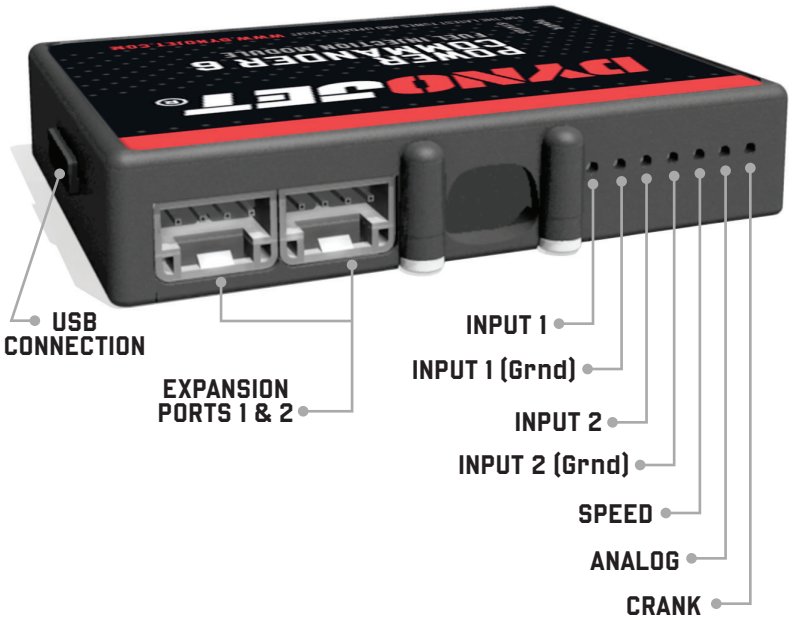
PARTS LIST

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.

IPC6-15019-PTI.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.

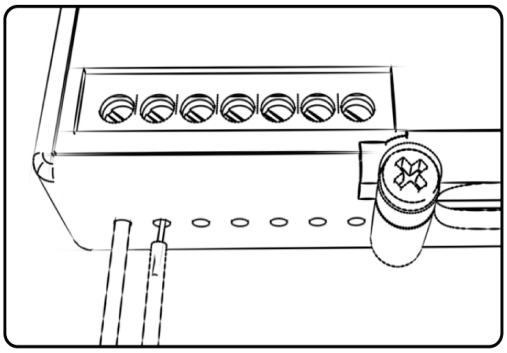
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

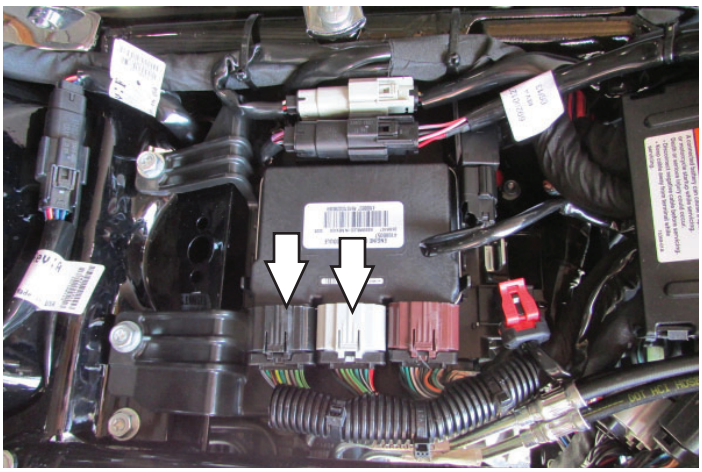
WIRE CONNECTIONS

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 is 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.

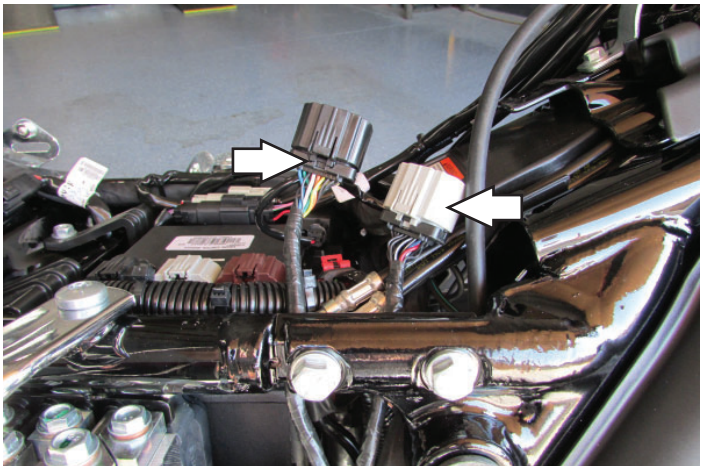


INSTALLING THE POWER COMMANDER 6



1 Remove the stock seat and the right side panel

2 Unplug the BLACK and GREY connectors from the ECM.

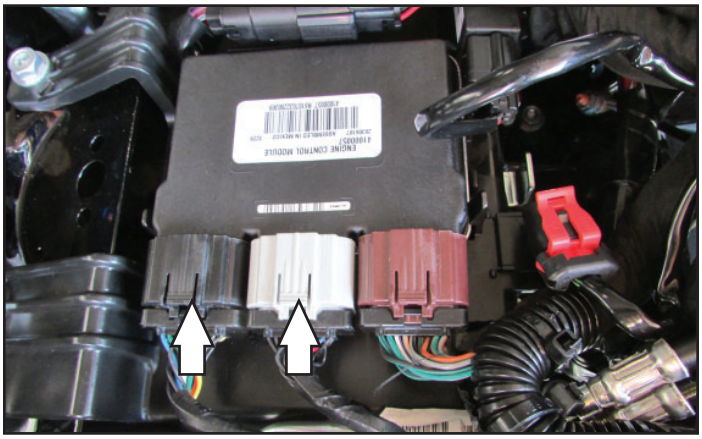


3 Route the female connectors of the PC6 behind the frame tube on the right side of the bike as shown. Slide the harness towards the rear of the bike.

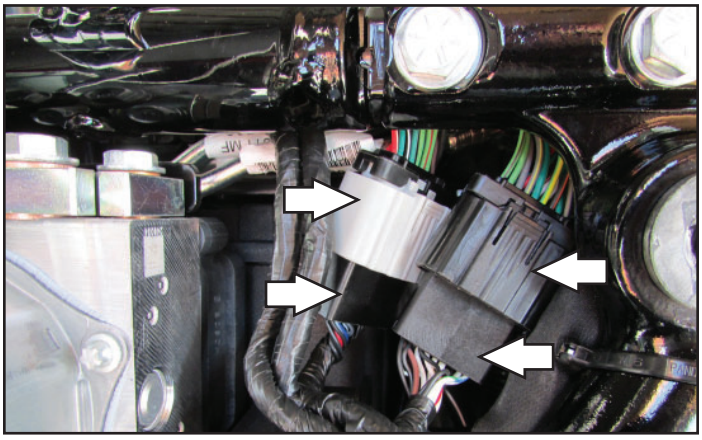


4 Route the stock ECM connectors that were disconnected in step 2 under the frame tube.

5 Plug the PC6 connectors into the stock ECM.



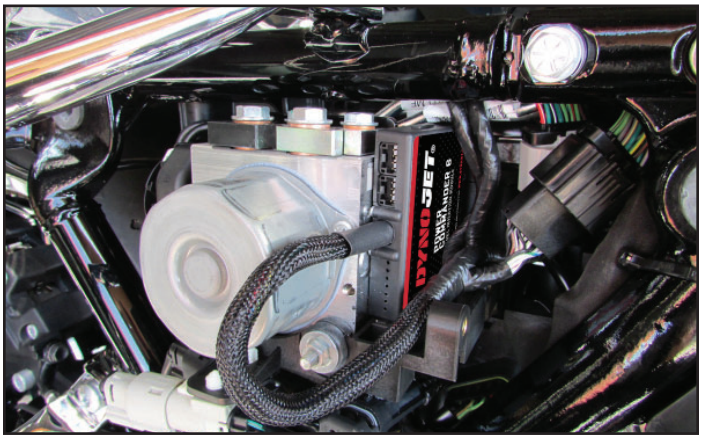
6 Plug the male connectors of the PC6 into the stock female connectors.



7 Secure the PC6 under the right hand side cover using the supplied Velcro.

Make sure to use the supplied alcohol swab to clean both surfaces before attaching the Velcro.

This image is shown on the ABS model. Non ABS models will have more options of where to place the unit.



8 Reinstall covers and seat.

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

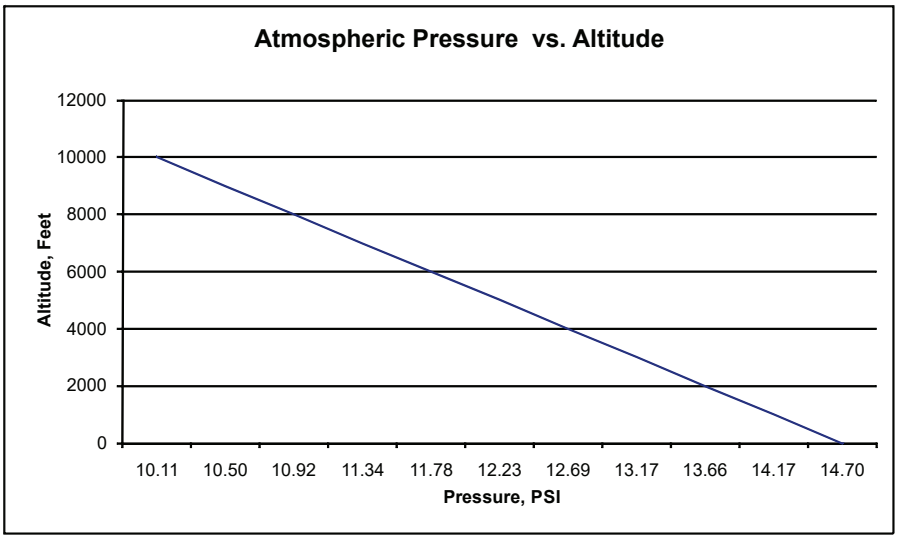
Pressure Values

The pressure values shown in the PC5 Pressure table are absolute pressure.

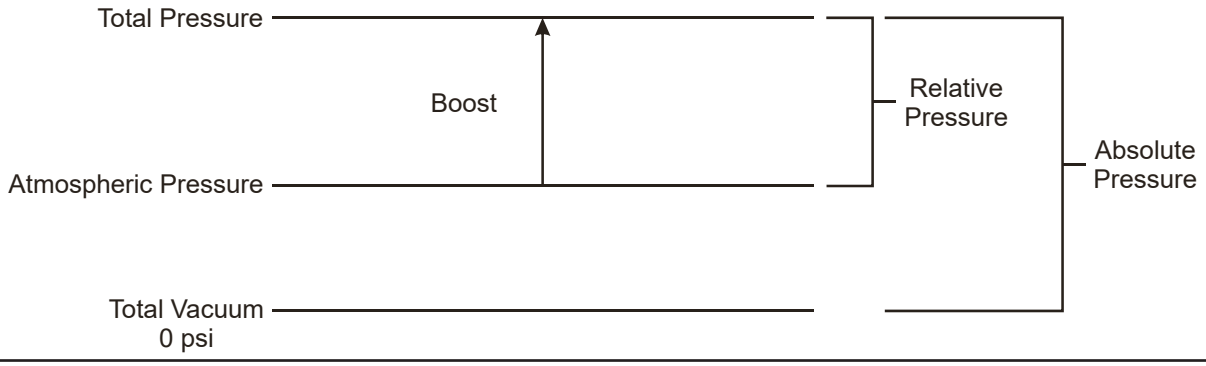
Most boost gauges display relative pressure. Relative pressure is the pressure in the manifold minus atmospheric pressure. A relative pressure gauge will read zero when powered up, but with the engine not running.

Absolute pressure is the total pressure acting on the pressure sensor. The total pressure is atmospheric pressure and the vacuum generated by the engine when the turbo compressor is not generating positive pressure, or atmospheric pressure plus the pressure generated by the compressor. An absolute pressure sensor will display higher values than a relative sensor.
If you know the atmospheric pressure at the present time, relative pressure can be calculated by subtracting atmospheric pressure from the absolute pressure reading.
The advantage to using absolute pressure is that it compensates for changes in atmospheric pressure that occur due to changes in altitude or weather.

Below is a chart showing the approximate change in absolute atmospheric pressure for changes in altitude.



Altitude (feet)	Pressure (psi)
10000	10.11
9000	10.50
8000	10.92
7000	11.34
6000	11.78
5000	12.23
4000	12.69
3000	13.17
2000	13.66
1000	14.17
0	14.70



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