

POWER COMMANDER 6

Installation Guide for: PC6-15051

Model coverage: 2023.5 Harley Davidson Touring
CVO Model

PARTS LIST



1 POWER COMMANDER 6	2 POWER COMMANDER DECALS
1 INSTALLATION GUIDE	2 VELCRO STRIPS
1 USB CABLE	1 ALCOHOL SWAB
2 DYNOCET DECALS	24 ZIP TIES

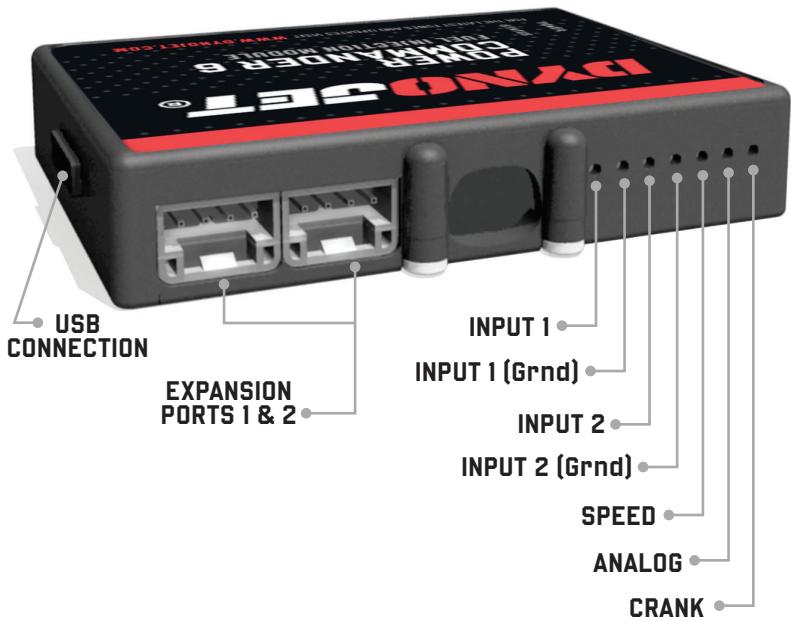
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-15051.01



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.

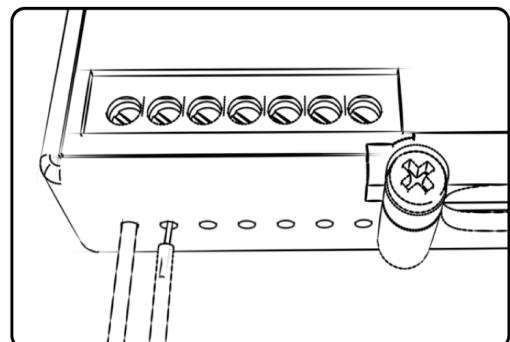
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.



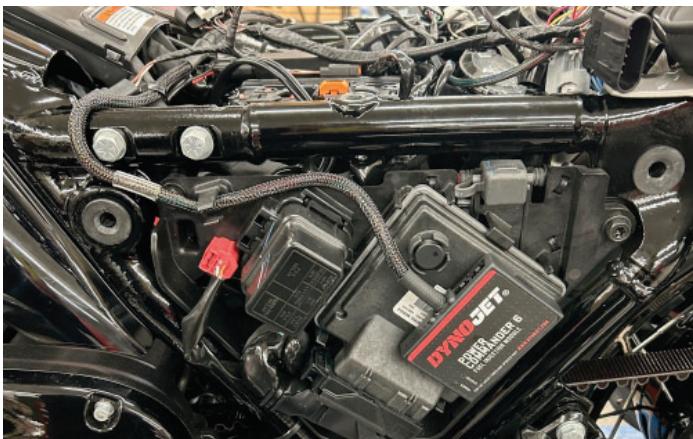
INSTALLING THE POWER COMMANDER 6



- 1 Remove the passenger and driver seats.
- 2 Remove the fuel tank.
- 3 Remove the LH saddle bag and LH side cover.
- 4 Remove the air filter assembly by removing the emblem to access the screw. The emblem with the engine displacement is only held in place with Velcro.

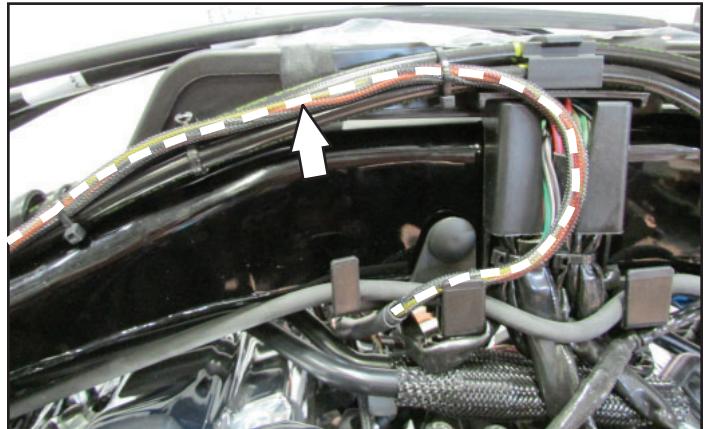


- 5 Remove the air cleaner and the airbox backing plate.

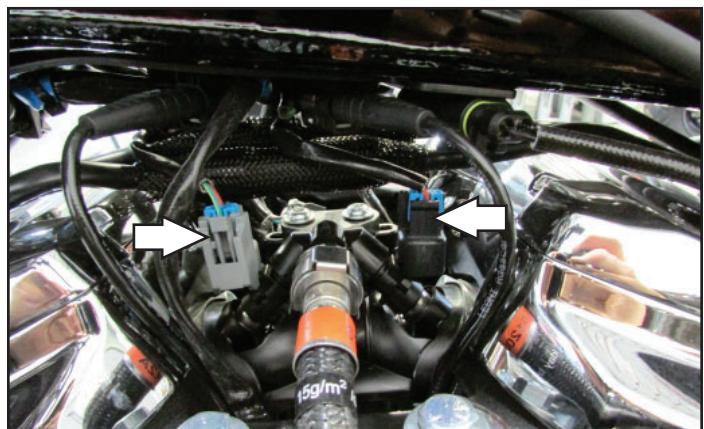


- 6 Install the PC6 on top of the ECU using the supplied velcro. The ECU is behind the LH side cover.
Make sure to clean the surface using the supplied alcohol swab before attaching.
- 7 Route the PC6 harness toward the RH side of the bike and up towards the throttle body.

8 Route the PC6 harness along the backbone of the frame and secure in place using the supplied zip ties.



9 Unplug the stock wiring harness from each injector.



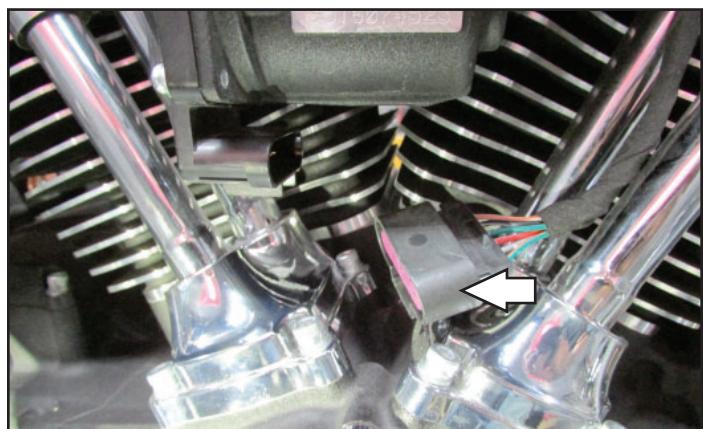
10 Plug the PC6 in-line of stock wiring harness and injectors.

PC6 ORANGE wires go to the front cylinder (stock GREY connector).

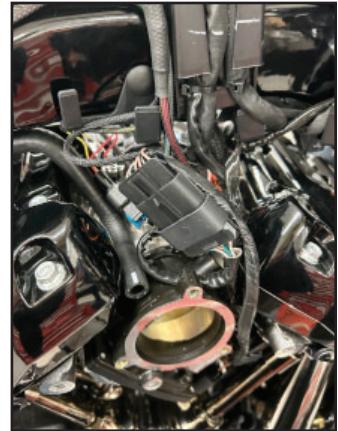
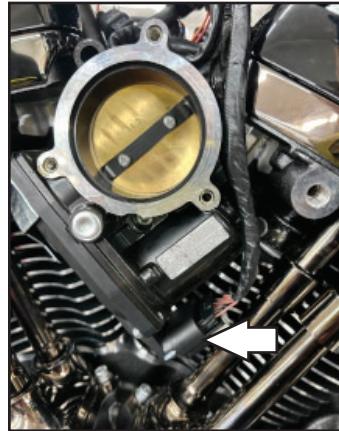


11 Unplug the stock wiring harness from the Throttle Position Sensor.

This is connected on the RH side of the engine below the throttle body.

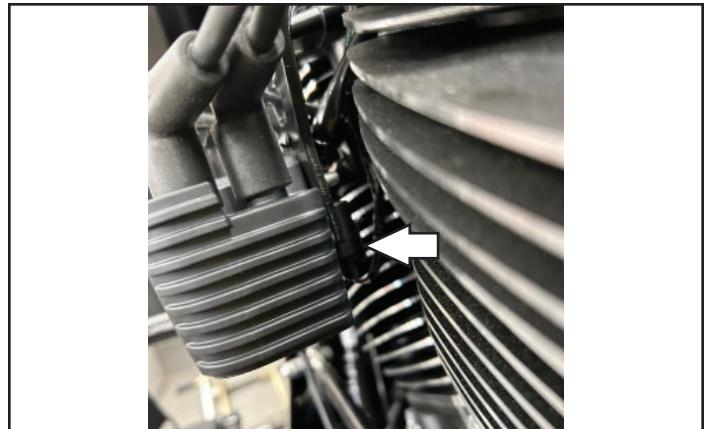


12 Connect the PC6 in-line of the TPS and wiring harness.

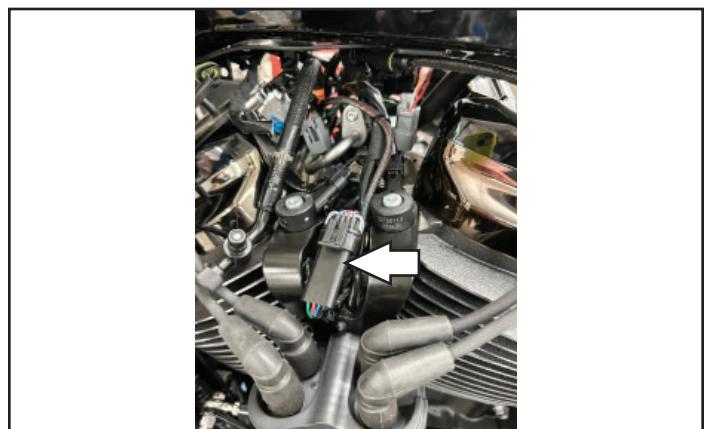


13 Unplug the stock wiring harness from the ignition coil.

This is located on the left side of the engine, opposite the air cleaner, above the shifter.



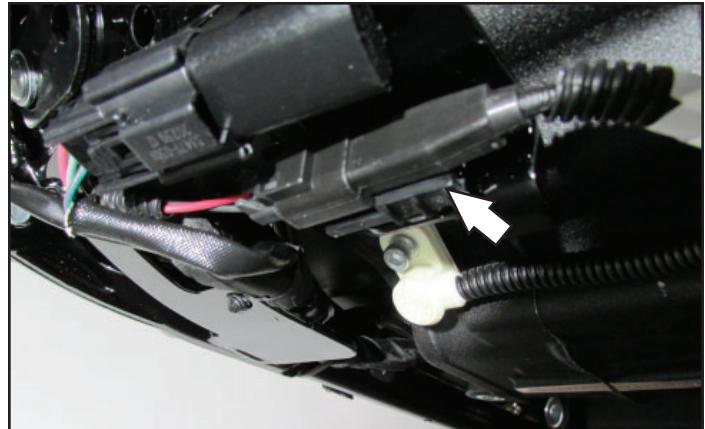
14 Connect the PC6 in-line of the stock wiring harness and ignition coil.



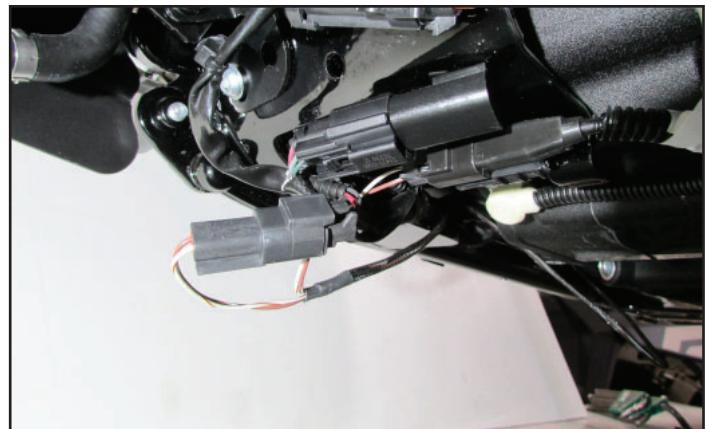
15 Route the crank connectors of the PC6 down the frametube to the front of the engine. Secure the harness with the supplied zip ties.



16 Unplug the stock Crank Position Sensor.



17 Connect the PC6 in-line of the stock CPS and wiring harness. Secure the harness with the supplied zip ties.



18 Attach the ground wire of the PC6 to the stock ground location near the starter motor.

19 Reinstall the fuel tank and bodywork.

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