POWER COMMANDER 6

Installation Guide for: PC6-15010

Model coverage: 2010-2013 Harley Davidson Sportster 1200 models

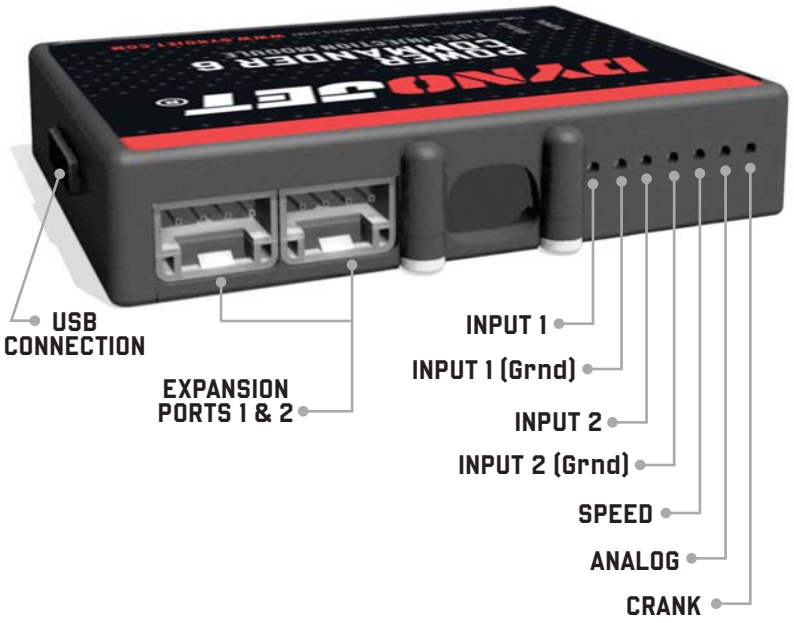
PARTS LIST

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2	DYNOJET DECALS	1	POSI-TAP
2	POWER COMMANDER DECALS		

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

IPC6-15010.01

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.

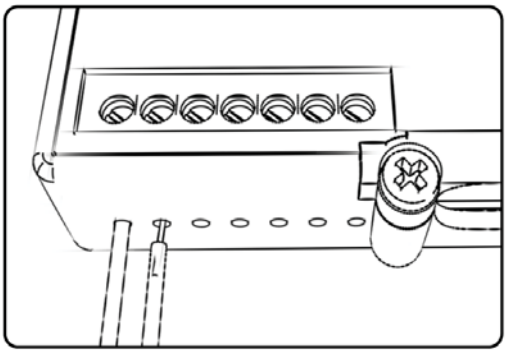
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

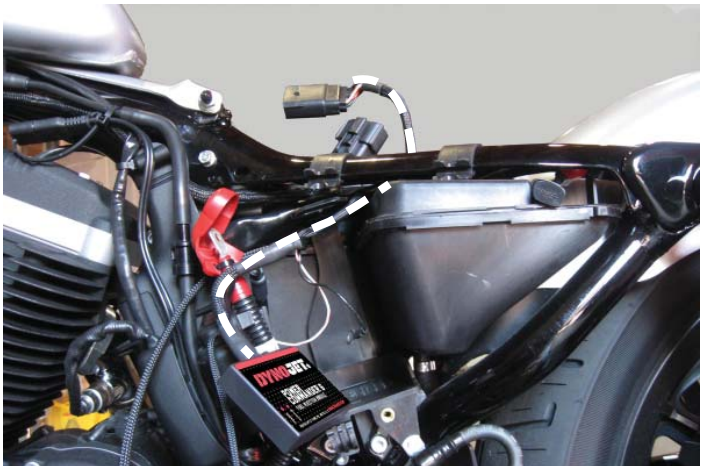
NOTE: If you tin the wires with solder it will make inserting them easier.



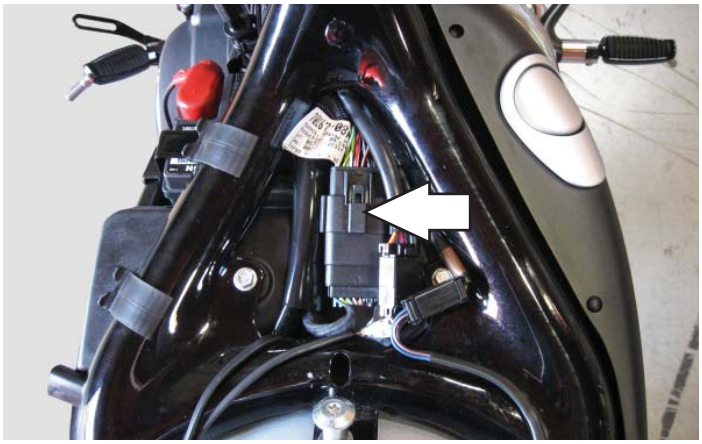
INSTALLING THE POWER COMMANDER 6



1 Remove the seat, left side cover, and battery.



2 Route the large connectors of the PC6 harness underneath the frame tube to the area under the seat.



3 Unplug the large connector under the seat area.

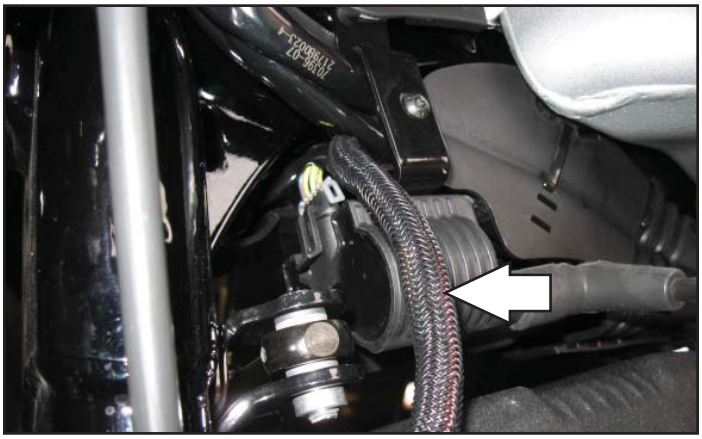
4 Plug the PC6 connectors in-line of the stock wiring harness. Arrange the connectors so that they lay lower than the height of the frame tubes.

5 Route the PC6 harness along the backbone of the frame on the left side.

6 Unplug the stock wiring harness from the ignition coil.

The coil is located above the front cylinder rocker cover.

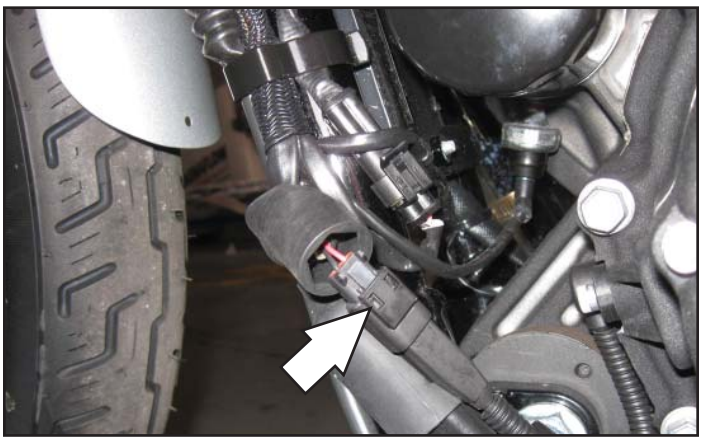
Make sure the stock PURPLE pin retaining clip of the stock coil connector does not stay inside the coil and comes out with the stock connector when unplugged.





7 Route the PC6 harness inside of the coil bracket.

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



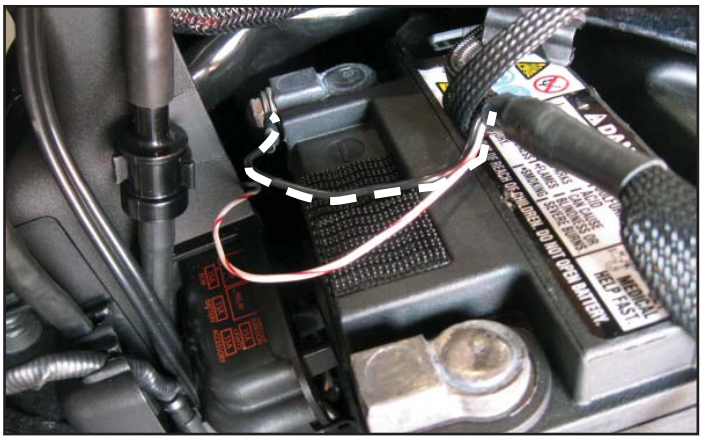
9 Route the PC6 harness along the down tube of the frame.

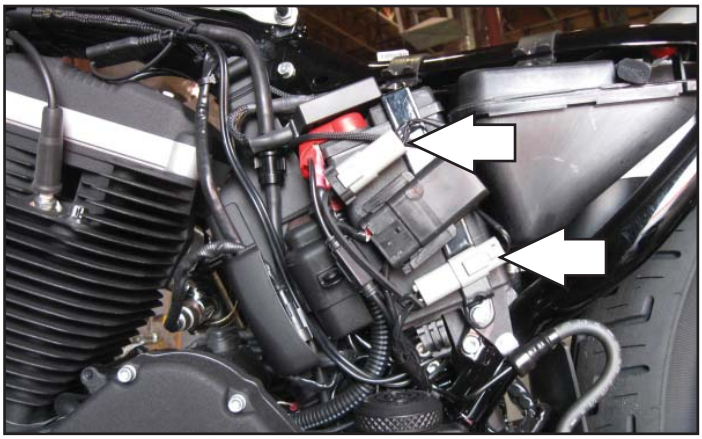
10 Unplug the crank sensor from the wiring harness.



11 Plug the PC6 harness in-line of the wiring harness and crank sensor.

12 Put the connectors back inside the rubber boot and use the supplied zip tie to secure the connectors in place.





13 Re-install the battery. Attach the ground wire of the PC6 to the negative side of the battery.

The WHITE/RED wire of the PC6 is for speed input and only needs to be connected if you want to adjust your fuel curve dependent of gear position.

14 Using the supplied posi-tap, connect the WHITE/RED wire of the PC6 to the BLACK/BLUE wire of the speed sensor.

The speed sensor is located behind the starter motor.

15 Plug the GREY connector of the PC6 into the diagnostic plug on the left side of the battery.

16 Using a piece of Velcro, attach the other GREY plug from the PC6 to the left side of the battery.

17 Attach the PC6 to the top of the battery.

18 Reinstall side cover and seat.

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PUSH THE LIMIT

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