POWER COMMANDER 6

Installation Guide for: PC6-29005

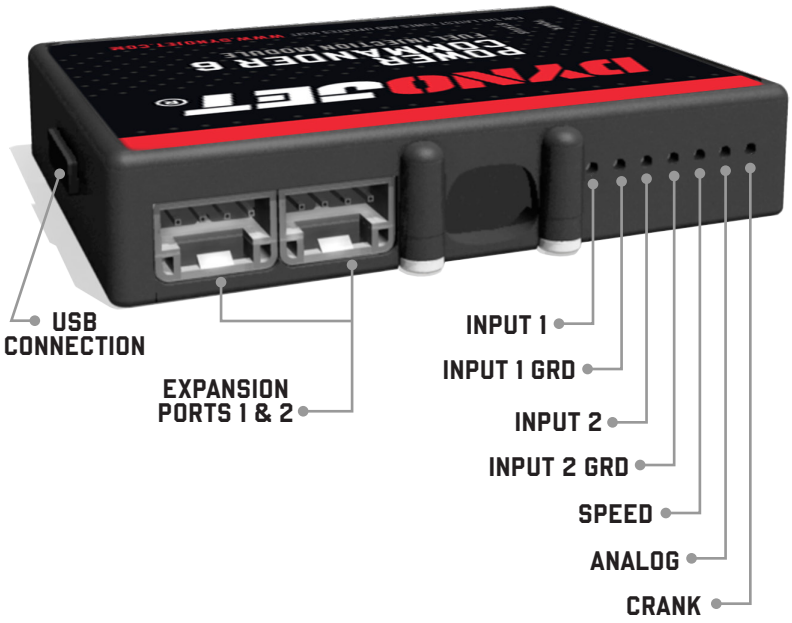
Model coverage: 2022 Indian Chief

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PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.
NOT FOR SALE OR USE IN CALIFORNIA

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.

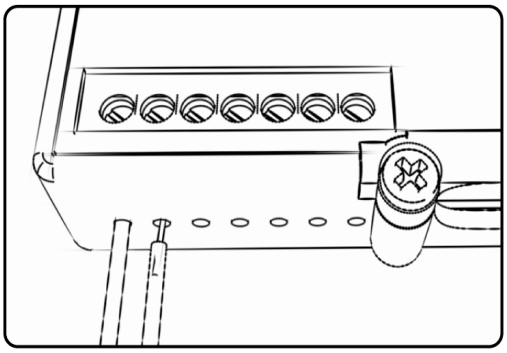
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

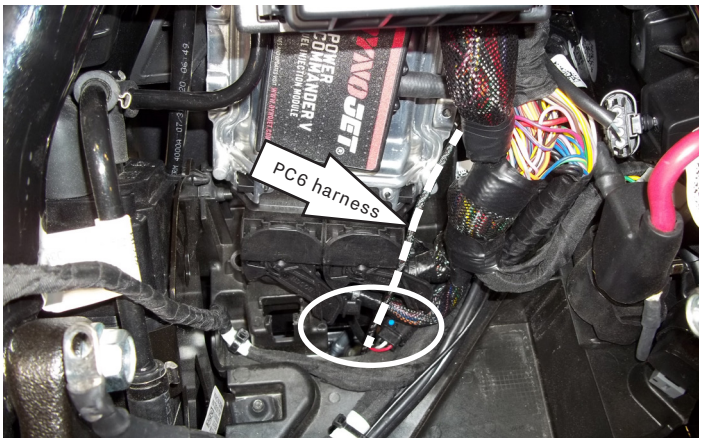
WIRE CONNECTIONS

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.



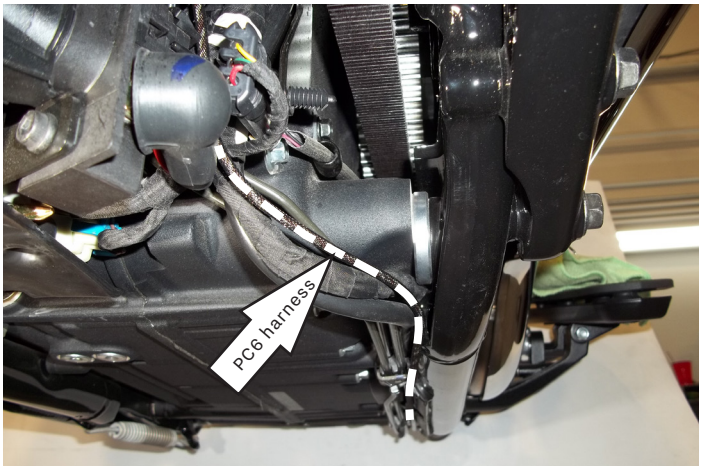
INSTALLING THE POWER COMMANDER 6



ROUTE PC6 HARNESS

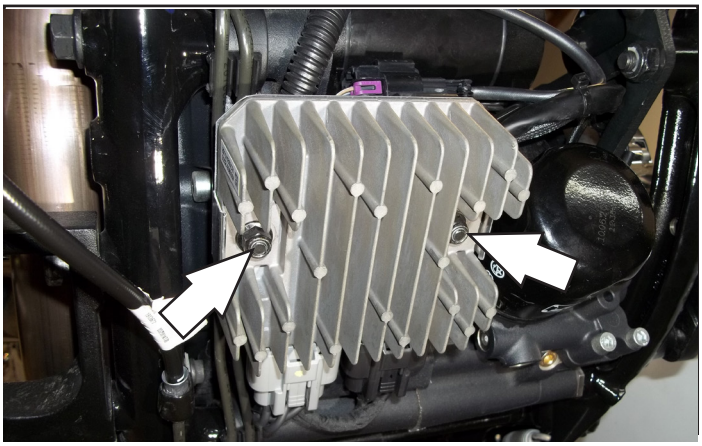
1 Remove the following:
Seat
Fuel tank
Battery

2 Lay the PC6 in the battery compartment area and route the connector set with the BROWN wires to the underside of the bike. Go down thru the bottom of the battery compartment area.



ROUTE HARNESS

3 Continue to route the PC6 harness along the underside of the bike going towards the front of the bike. Use the supplied zip ties to secure the harness in place.

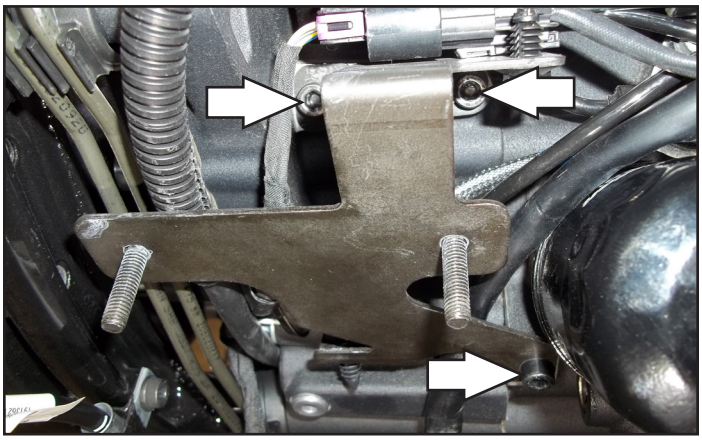


REMOVE REGULATOR/RECTIFIER

4 Remove the regulator/rectifier at the front of the bike by removing the 2 nuts securing it in place.

INSTALLING THE POWER COMMANDER 6

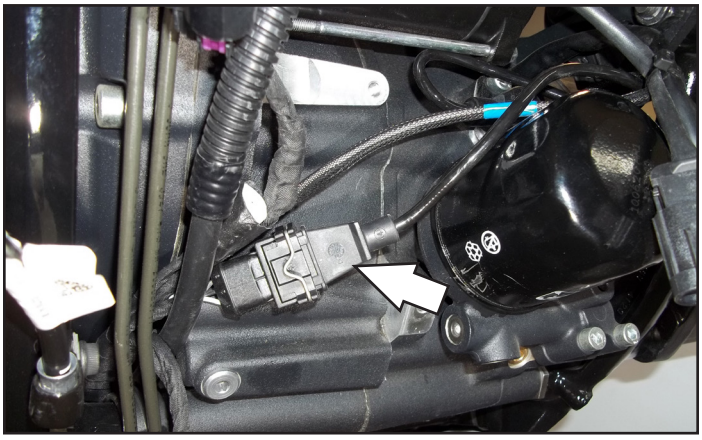
5 Remove the 3 bolts securing the regulator/rectifier bracket in place.



REMOVE BRACKET

6 Unplug the stock Crank Position Sensor connector.

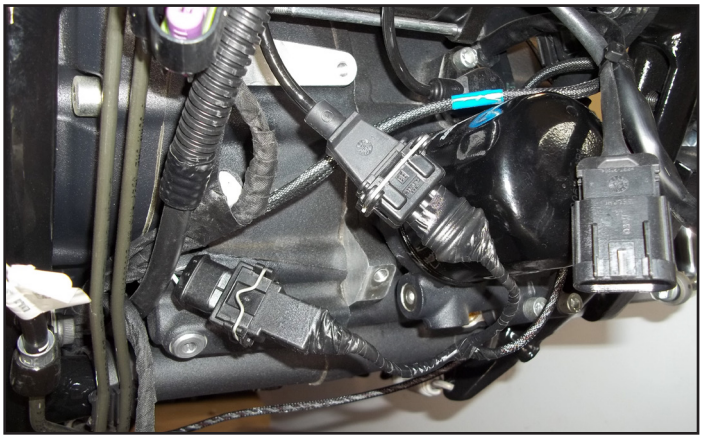
This is a BLACK 3 pin connector.



UNPLUG CPS

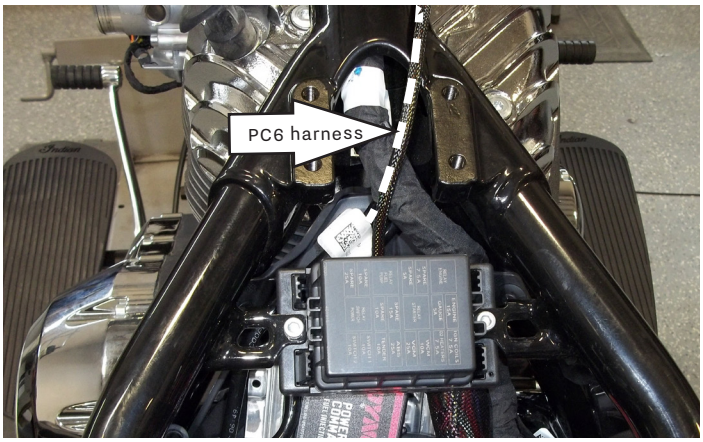
7 Plug the PC6 in-line of the stock wiring harness and CPS.

8 Install the regulator/rectifier



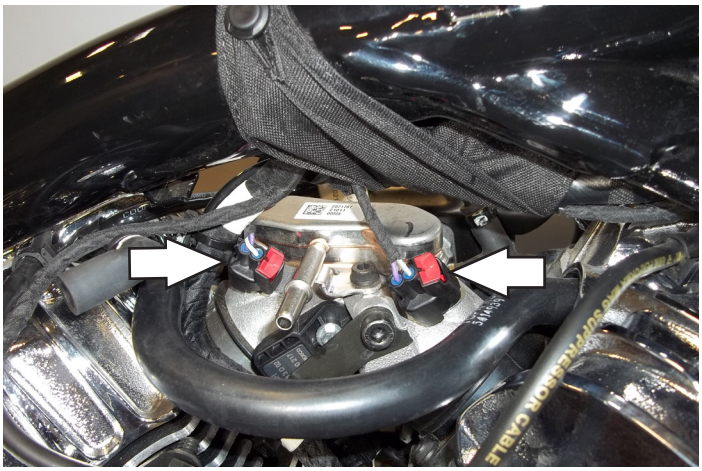
PLUG INTO CPS

INSTALLING THE POWER COMMANDER 6



ROUTE PC6 HARNESS

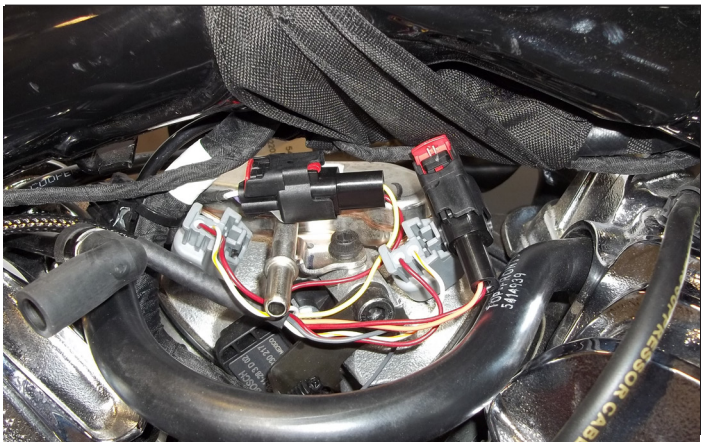
9 Route the rest of the PC6 harness towards the front of the bike going along the backbone of the frame.



UNPLUG INJECTORS

10 Unplug the stock wiring harness from each injector.

To unplug it, first lift up on the small red tab. Then squeeze the connector beneath the red tab while pulling it off of the injector.



CONNECT TO INJECTORS

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

PC6 ORANGE wires go to front cylinder

INSTALLING THE POWER COMMANDER 6

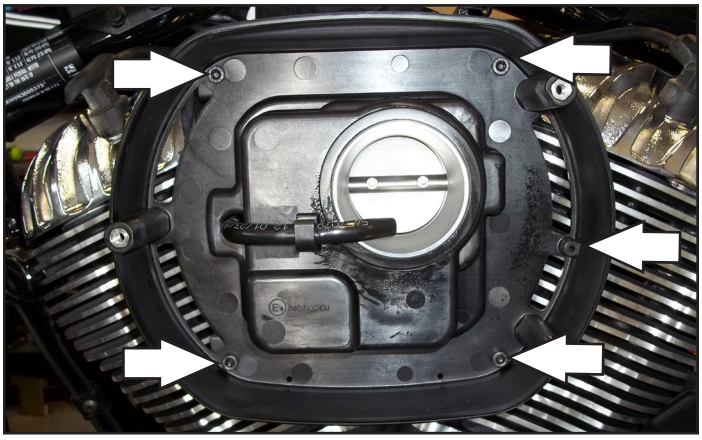
11 Remove the airbox lid.



REMOVE AIRBOX LID

12 Remove the airbox backing plate.

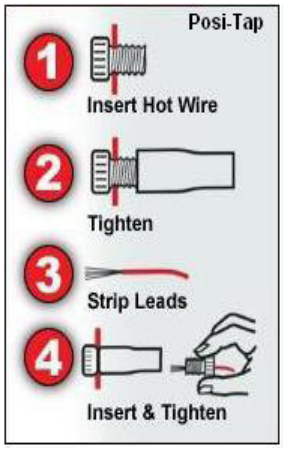
13 Route the PC6 GREY wire over to the left side of the bike following the stock harness for the throttle body.

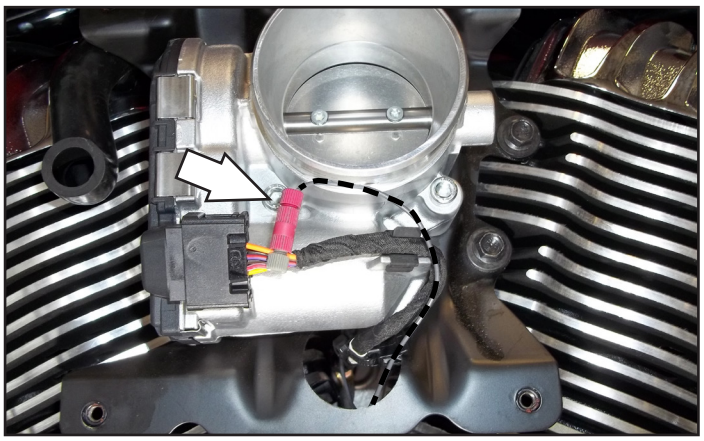


REMOVE BACKING PLATE

14 Using the supplied Posi-tap, attach the single unterminated GREY wire of the PC6 wiring harness to the stock ORANGE/YELLOW wire of the Throttle Body Servo connector.

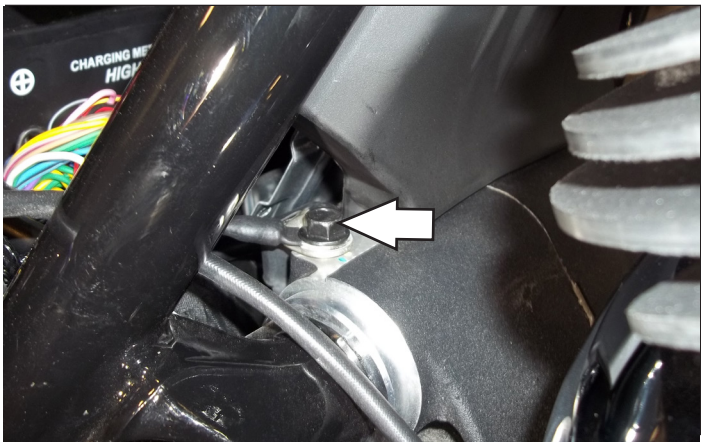
This connector is located on the left side of the throttle body. Temporarily unplugging this connector might make it easier to attach the PC6 GREY wire.





CONNECT TO TPS

INSTALLING THE POWER COMMANDER 6



ATTACH GROUND WIRE

15 Reinstall the airbox.

16 Attach the ground wire of the PC6 to the reat of then engine case.

This is location just in front of the battery on the RH side.

17 Reinstall the battery, fuel tank and seat.

PUSH THE LIMIT

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