POWER COMMANDER 6

Installation Guide for: PC6-29004

Model coverage: 2020-2022 Indian Challenger
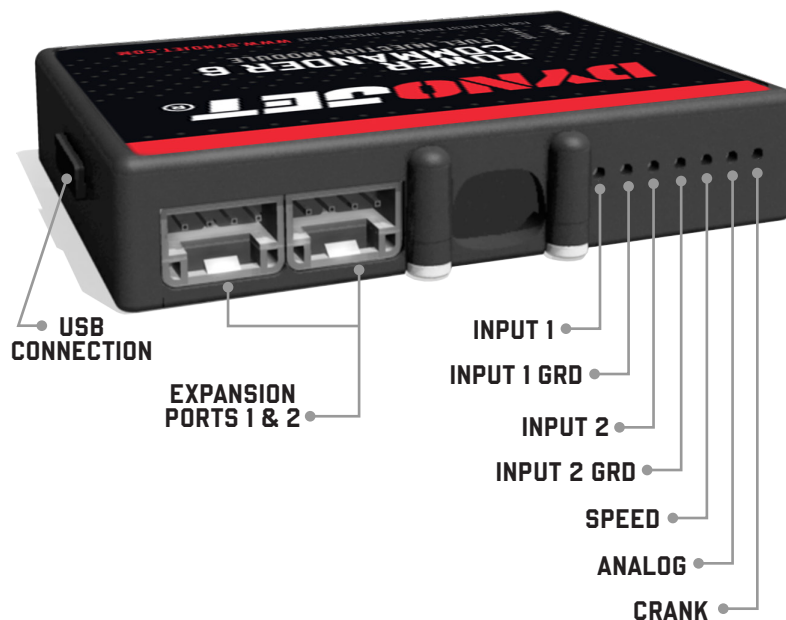
PARTS LIST

1	POWER COMMANDER 6	2	DYNOJET DECALS
1	INSTALLATION GUIDE	2	POWER COMMANDER DECALS
1	USB CABLE	1	ALCOHOL SWAB
2	VELCRO STRIPS		

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

INPUT ACCESSORY GUIDE

USB
CONNECTION

EXPANSION
PORTS 1 & 2

INPUT 1
INPUT 1 GRD
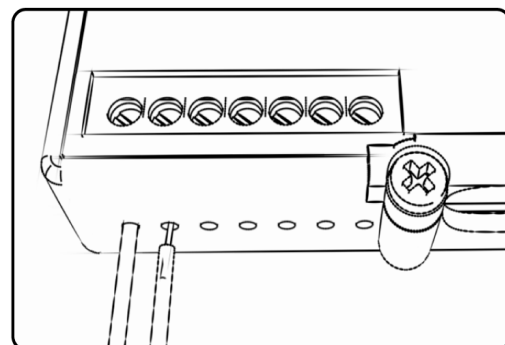INPUT 2
INPUT 2 GRD
SPEED
ANALOG
CRANK

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.

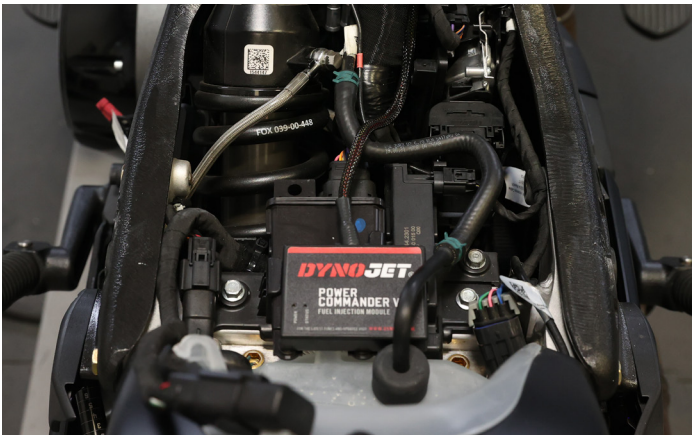NOTE: If you tin the wires with solder it will make inserting them easier.

INSTALLING THE POWER COMMANDER 6

REMOVE AIRBOX / CHARCOAL CANISTER

MOUNT PC6

ROUTE HARNESS

1 Remove the main seat.

2 Unbolt the fuel tank and use a block of wood or similar to prop the rear of the fuel tank up.

3 On the right side of the engine remove the stock charcoal canister.

This picture is shown with the Stage 1 Indian airbox installed. This part of the airbox will need to be removed to install the PC6.

4 Install the PC6 under the main seat using the supplied velcro.

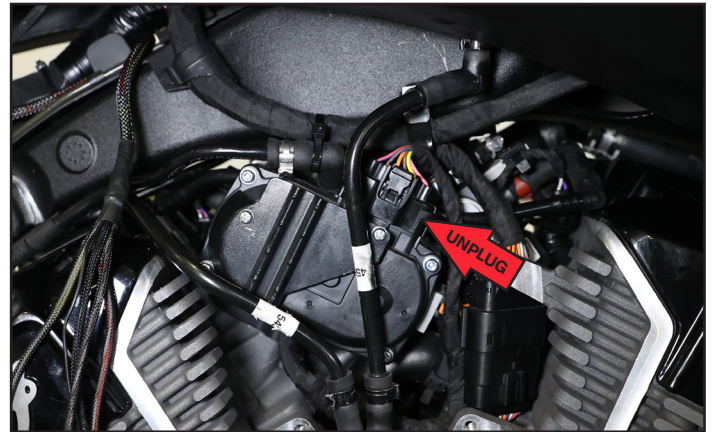*Make sure to clean the surface with the supplied alcohol swab before attaching.*

5 Route the PC6 harness along the backbone of the frame going towards the throttle body.

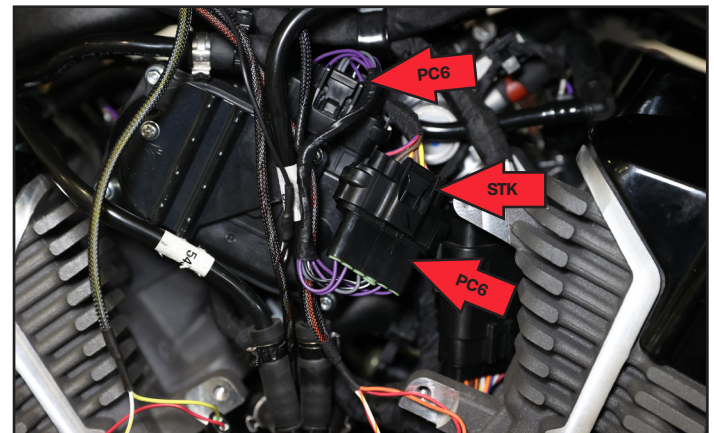PC6-29004

DYNOJET

INSTALLING THE POWER COMMANDER 6

6   Unplug the stock wiring harness from the Throttle Position sensor.

The TPS is located on the right hand side of the throttle body.

UNPLUG TPS

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

CONNECT TPS

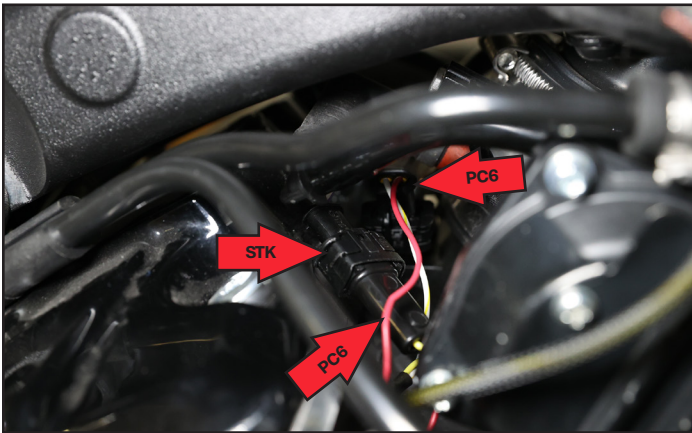8   Unplug the stock wiring harness from the rear injector.

To release this connector squeeze both sides of the connector and lift off.

UNPLUG REAR INJECTOR
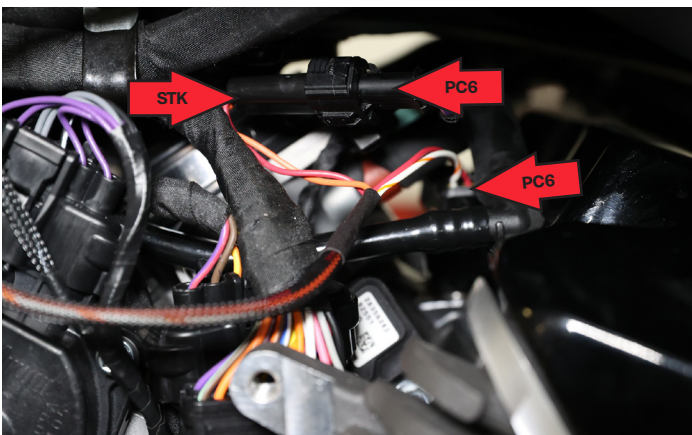
INSTALLING THE POWER COMMANDER 6

CONNECT TO INJECTOR

9   Plug the YELLOW wires of the PC6 in-line of the rear injector and wiring harness.

UNPLUG FRONT INJECTOR

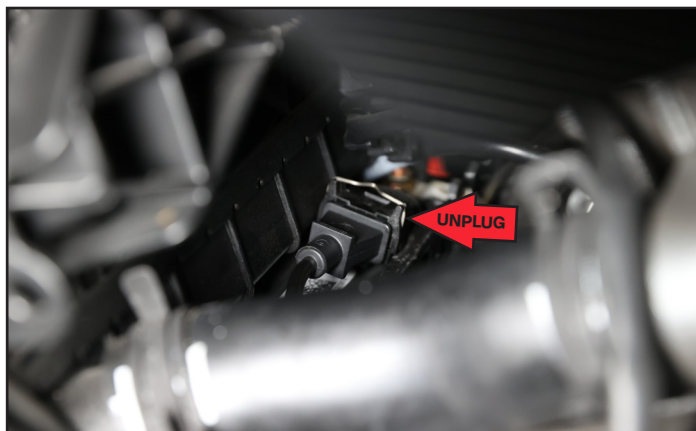10   Unplug the stock wiring harness from the front injector.

CONNECT TO INJECTOR

11   Plug the ORANGE wires of the PC6 in-line of the front injector and wiring harness.

DYNOJET

INSTALLING THE POWER COMMANDER 6

12   Unplug the stock Crank Position Sensor.

This is a 3 pin BLACK connector located on top of the battery, in front of the engine.

UNPLUG CPS

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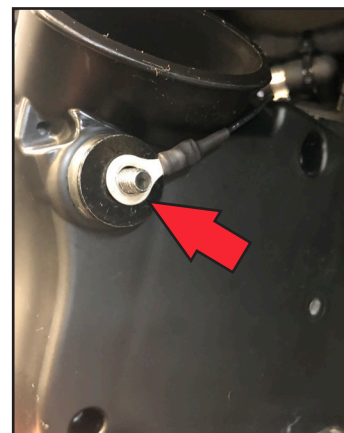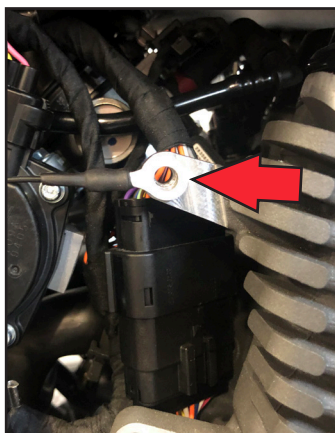

CONNECT CPS

14   Reinstall either the charcoal canister or Stage 1 airbox. When bolting the unit back in place attach the ground wire of the PC6 to one of the engine mounting tabs.

Make sure the ground of the PC6 has good contact to the metal surface of the engine.

15   Reinstall bodywork

ATTACH GROUND

PUSH THE LIMIT