

POWER COMMANDER V

2020 Indian Challenger Installation Guide

INDIAN
CHALLENGER

PARTS LIST

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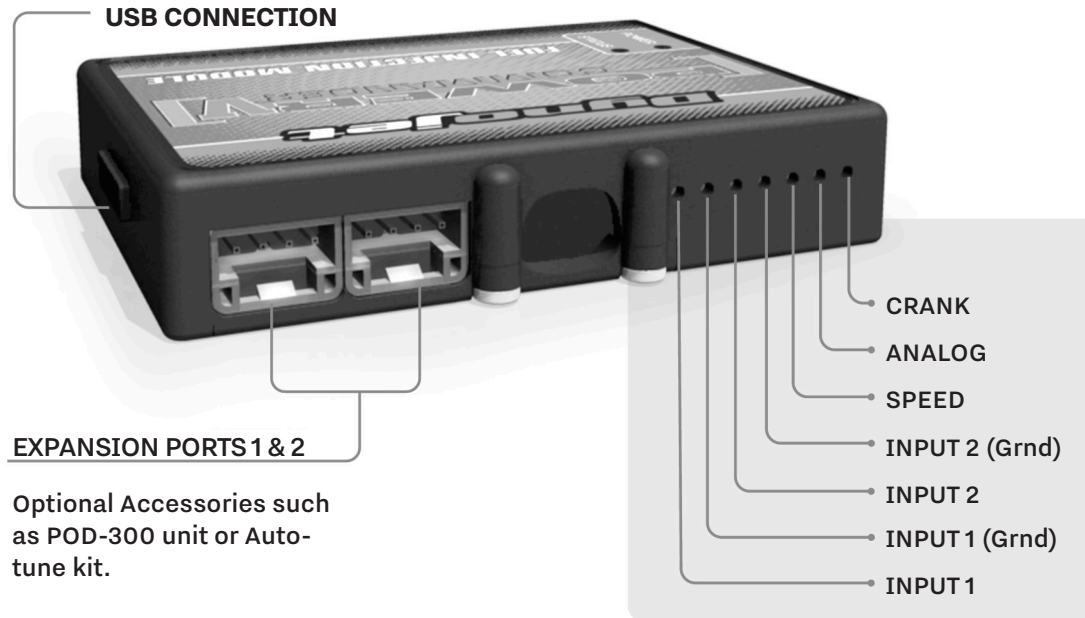
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|----------------------|--------------------------|
| 1 POWER COMMANDER V | 2 DYNOJET DECALS |
| 1 INSTALLATION GUIDE | 2 POWER COMMANDER DECALS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 VELCRO STRIPS | |

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

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POWER COMMANDER V INPUT ACCESSORY GUIDE



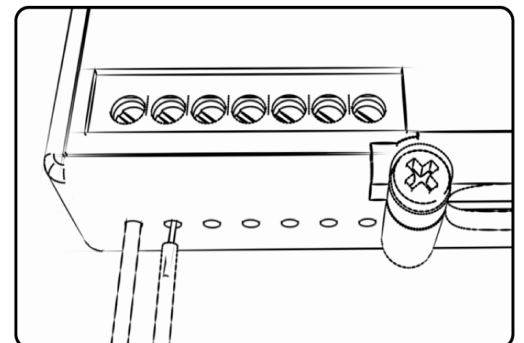
ACCESSORY INPUTS:

- Map -** (Input 1 or 2) The PCV 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. When using the Autotune kit one position will hold a base map and the other position will let you activate the learning mode. When the switch is "CLOSED" Autotune will be activated.
- Shifter-** (Input 1 or 2) These inputs are for use with the Dynojet quickshifter. Insert the wires from the Dynojet quickshifter into the SHIFTER inputs. The polarity of the wires is not important.
- Speed-** If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quickshifter.
- 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 control center software.
- Crank-** Do NOT connect anything to this port unless instructed to do so by Dynojet. It is used to transfer crank trigger data from one module to another.

WIRE CONNECTIONS:

To input wires into the PCV 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 PCV 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.



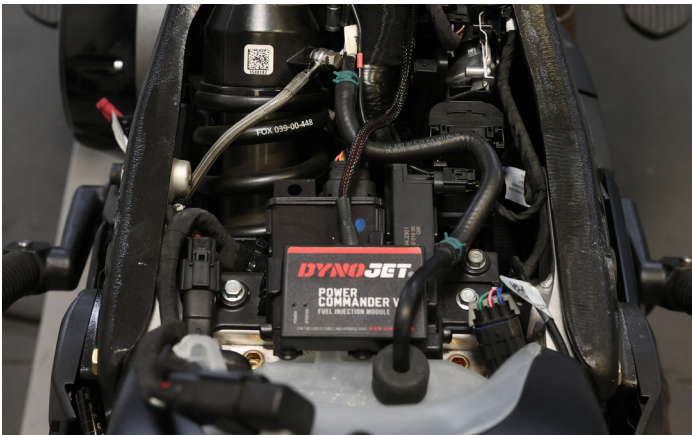
INSTALLING THE POWER COMMANDER V



REMOVE AIRBOX / CHARCOAL CANISTER

- 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 PCV.



MOUNT PCV

- 4 Install the PCV under the main seat using the supplied velcro.

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



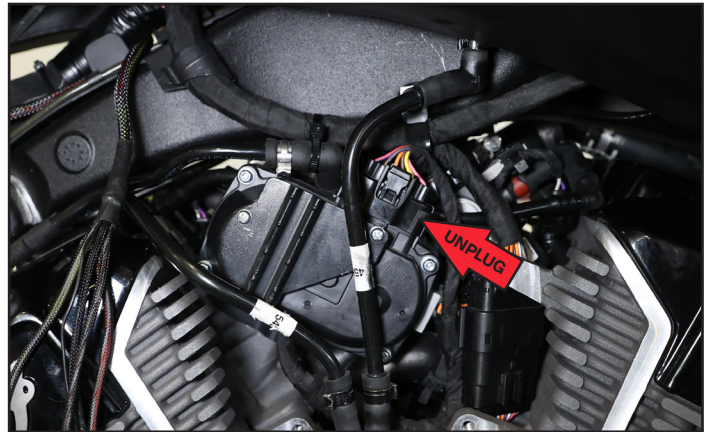
ROUTE HARNESS

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

INSTALLING THE POWER COMMANDER V

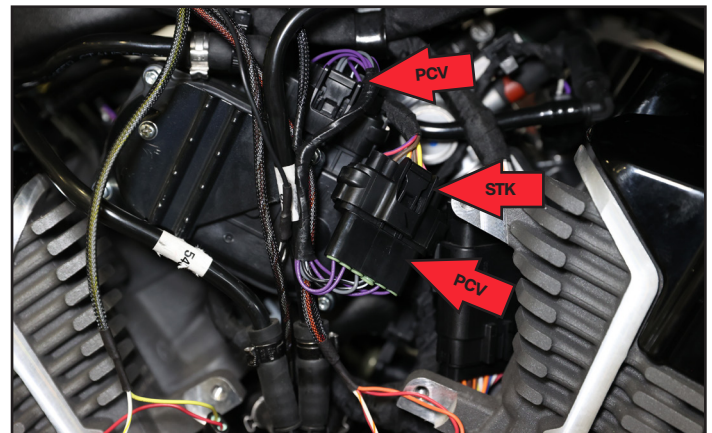
- 6 Unplug the stock wiring harness from the Throttle Position sensor.

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



UNPLUG TPS

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



CONNECT TPS

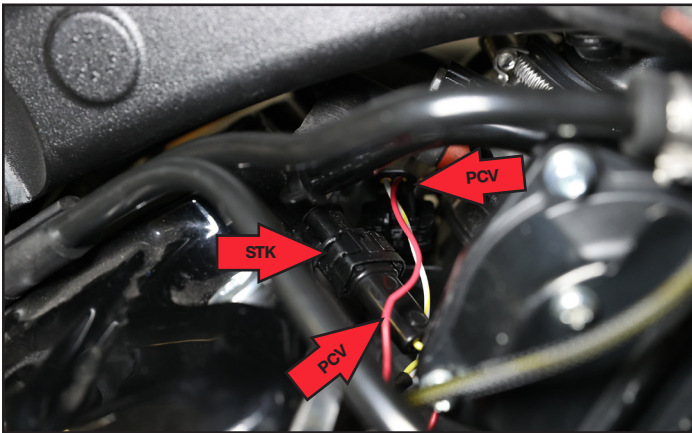
- 8 Unplug the stock wiring harness from the rear injector.

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



UNPLUG REAR INJECTOR

INSTALLING THE POWER COMMANDER V



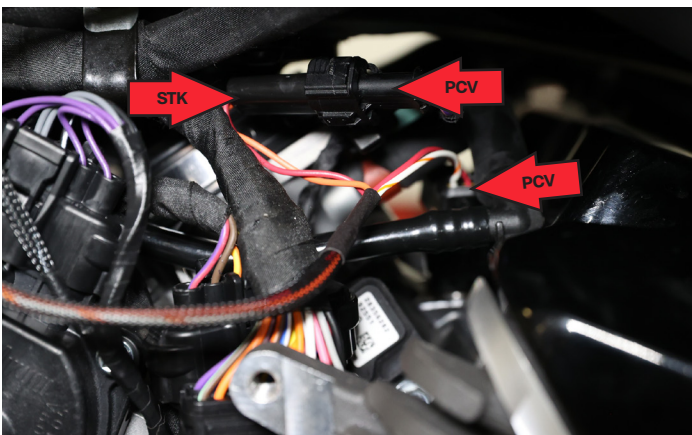
CONNECT TO INJECTOR

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



UNPLUG FRONT INJECTOR

- 10 Unplug the stock wiring harness from the front injector.



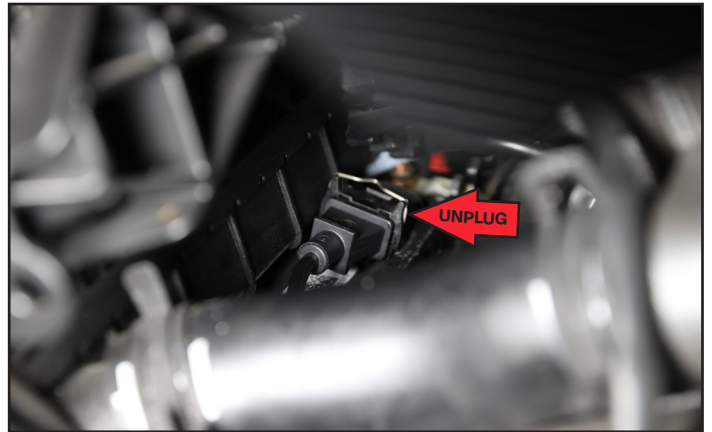
CONNECT TO INJECTOR

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

INSTALLING THE POWER COMMANDER V

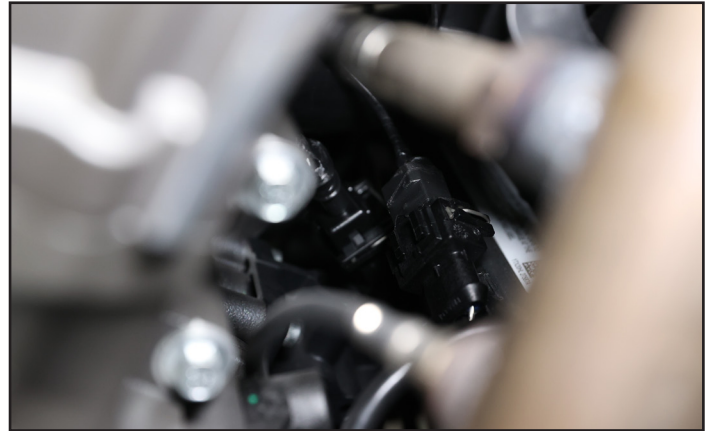
- 12 Unplug the stock Crank Position Sensor.

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



UNPLUG CPS

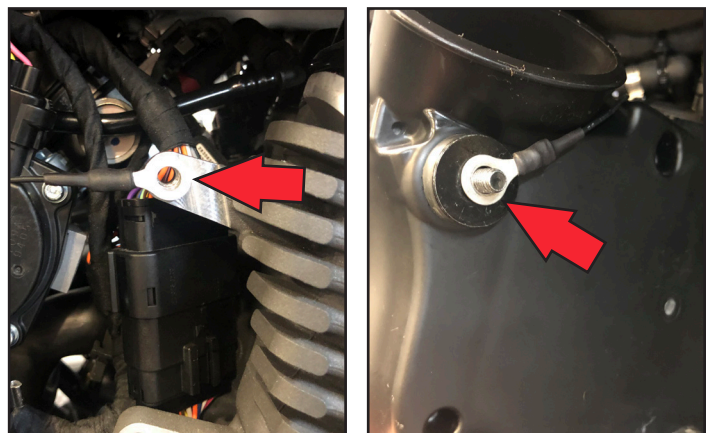
- 13 Plug the PCV in-line of the stock CPS and wiring harness.



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 PCV to one of the engine mounting tabs.

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



ATTACH GROUND



PUSH THE LIMIT

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