

# POWER COMMANDER V

2019-2020 Ducati Hypermotard 950  
Installation Guide

## PARTS LIST

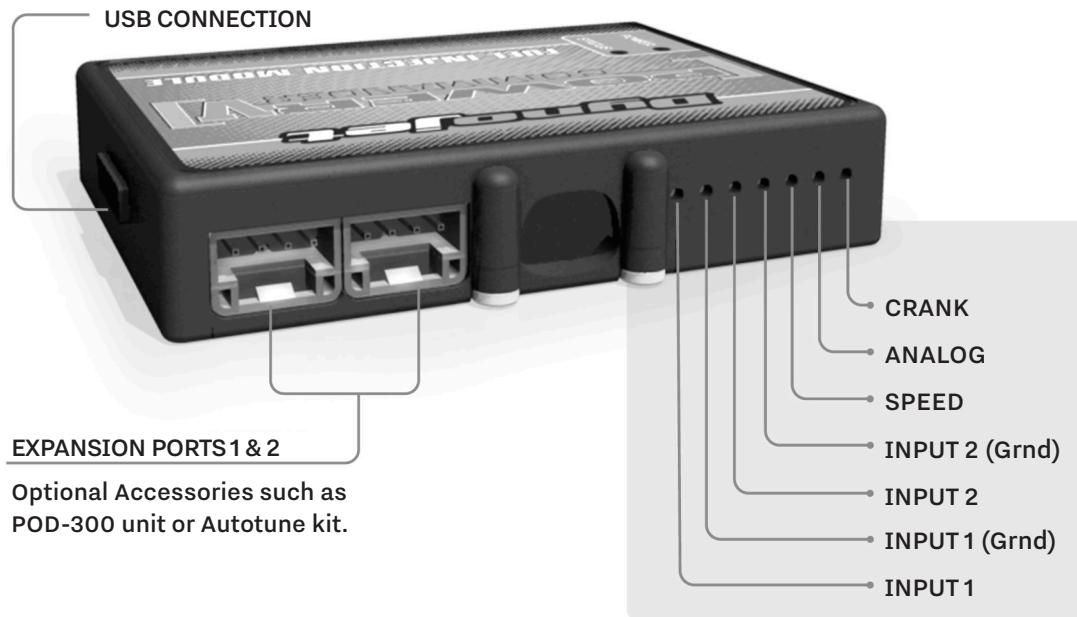
|   |                    |   |                        |
|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER V  | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS          |
| 1 | USB CABLE          | 1 | ALCOHOL SWAB           |
| 2 | DYNOJET DECALS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

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

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# 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 quick shifter. Insert the wires from the Dynojet quick shifter 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 Power Core software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quick shifter.

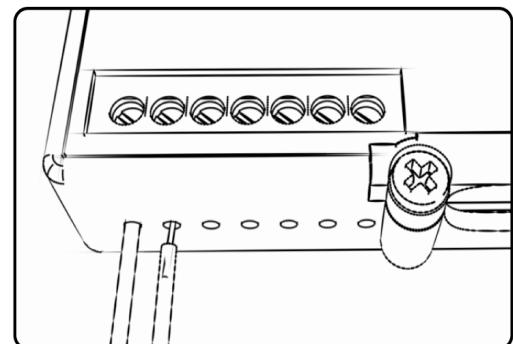
**Analog** This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

**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.

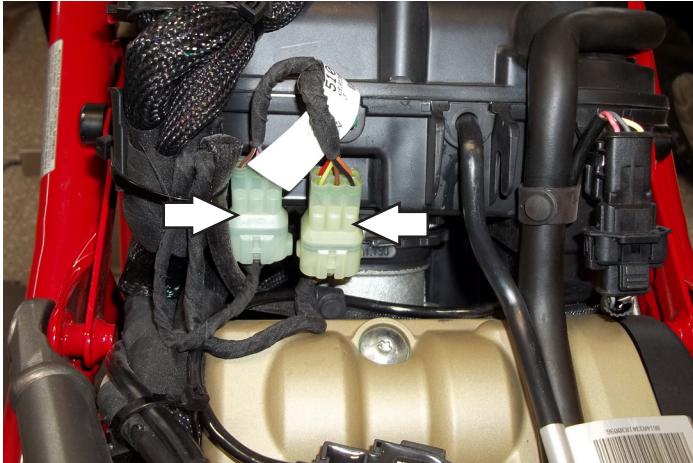
NOTE: If you tin the wires with solder it will make inserting them easier.



# INSTALLING THE POWER COMMANDER V



- 1 Remove the seat and the fuel tank.
- 2 Lay the PCV in the tail section and route down the left side of the frame and go towards the air box.



- 3 Unplug the 6 pin and 3 pin connectors on the back of the airbox.



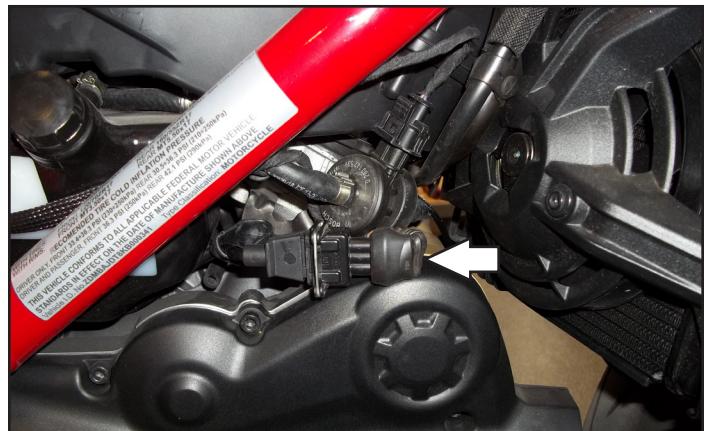
- 4 Plug the PCV in-line of the stock wiring harness.
- 5 Route the remaining connectors from the PCV down the left side of the engine.

- 6 Route the 3 pin crank connectors around the front of the engine to the right side.
- 7 Attach the ground wire to the engine cover bolt on the left side of the engine.



- 8 Unplug the stock Crank Position Sensor.

This is a **BLACK, 3 pin connector** on the right side of the engine.



- 9 Plug the PCV in-line of the stock crank position sensor and wiring harness.
- 10 Reinstall fuel tank and seat.

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).





**PUSH  
THE  
LIMIT**

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