

POWER COMMANDER V

Install guide for 22-100

Model coverage:
2022 Yamaha R7

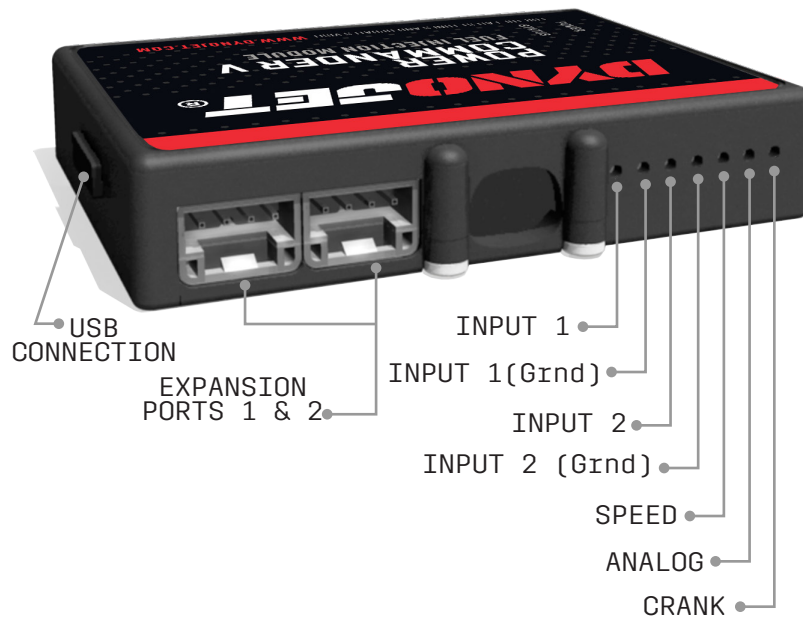
PARTS LIST

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



INPUT ACCESSORY GUIDE



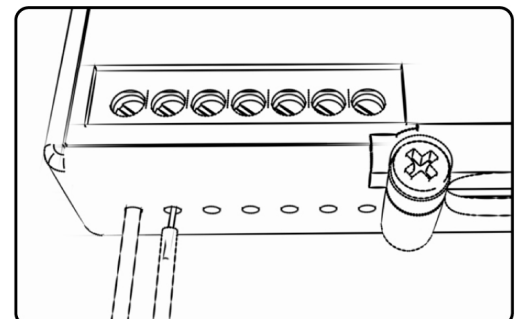
ACCESSORY INPUTS

- Map** (Input 1 or 2) The PCV has the ability to hold two 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.

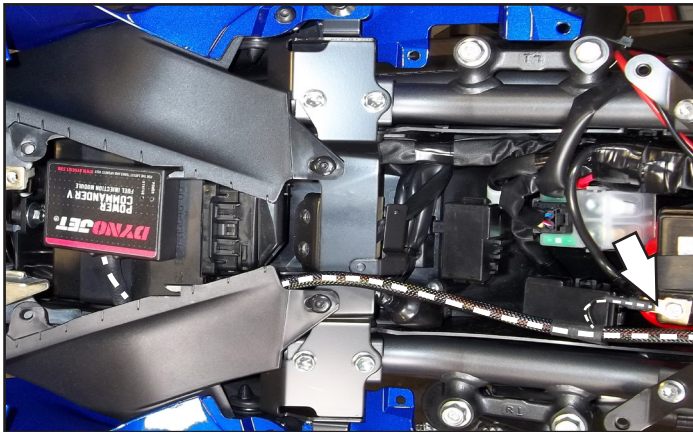
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER V



- 1 Remove both seats, both side panels, the bodywork surrounding the fuel tank, the panel between the seats, and the plastic panel above the right footpeg.
- 2 Remove the fuel tank.



- 3 Lay the PCV in tail section. Route the PCV harness down the right side of the frame going towards the throttle bodies.
- 4 Attach the ground wire of the PCV to the negative (-) side of the battery.



- 5 Unplug the stock wiring harness from each injector.

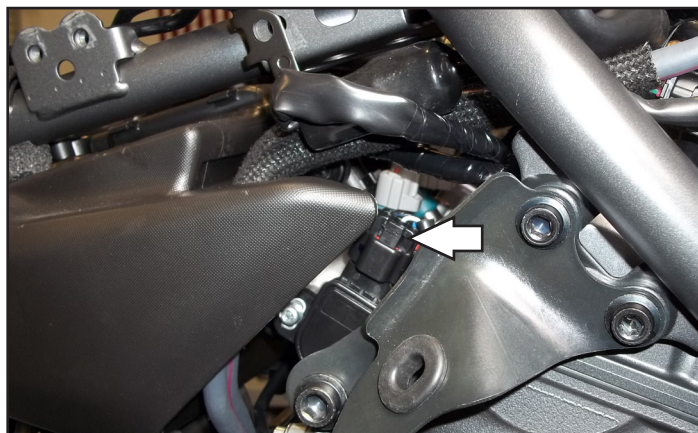
- 6 Plug the PCV in-line of the stock wiring harness and each injector.

PCV ORANGE wires go to the #1 cylinder (left)

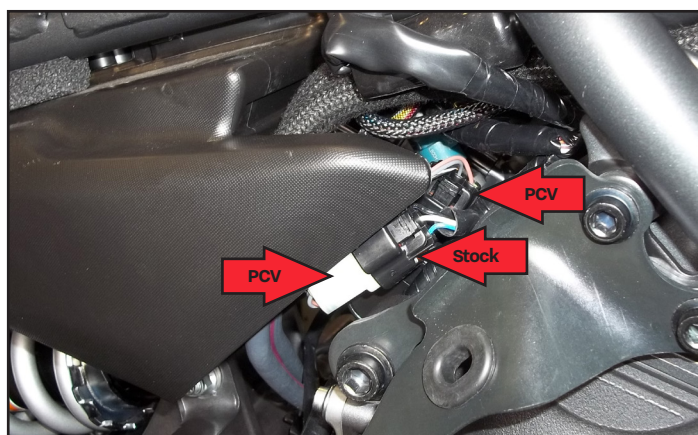


- 7 Unplug the stock Throttle Position Sensor (TPS) connector.

This is a BLACK 3-pin connector on the right side of the throttle bodies.



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



- 9 Unplug the stock wiring harness from the ignition coils.





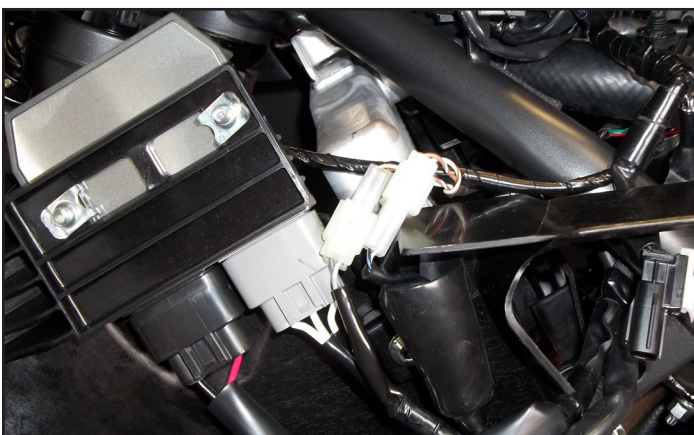
- 10 Plug the PCV in-line of the stock ignition coils and wiring harness.

PCV GREEN wires go to the #1 cylinder (left).



- 11 Unplug the stock wiring harness from the Crank Position Sensor connector.

This connection is on the left side near the regulator/rectifier.



- 12 Plug the PCV in-line of the stock wiring harness and CPS.
- 13 Using one of the supplied Velcro strips, secure the PCV module in the tail section.

Use the supplied alcohol swab to clean the surface area prior to applying the Velcro.

- 14 Reinstall the bodywork.

Download the latest map files from our web site at dynojet.com/tunes.



PUSH THE LIMIT

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