



Dynojet VN2000 Power Commander Instruction Manual

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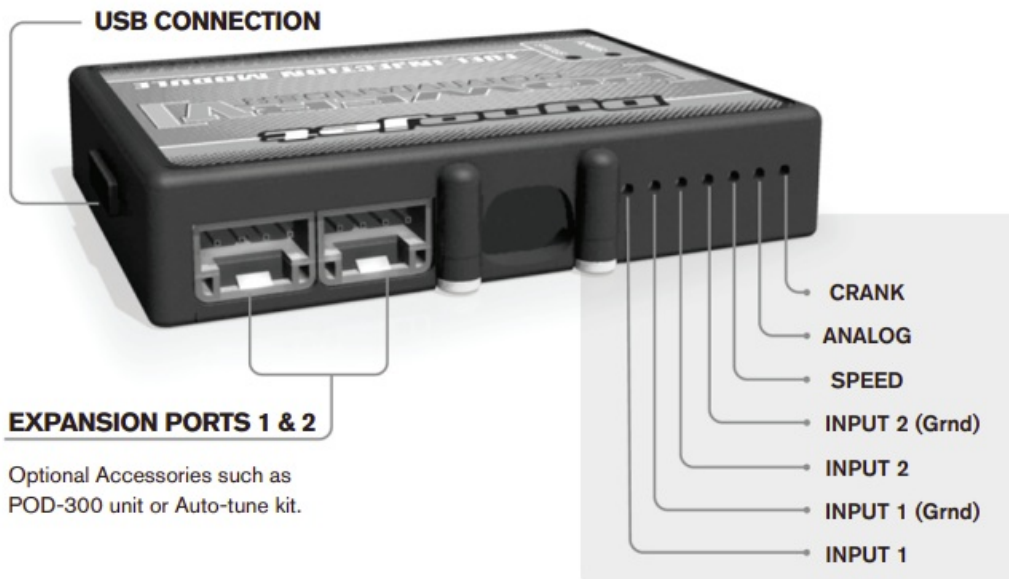
Dynojet VN2000 Power Commander Instruction Manual



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PARTS LIST



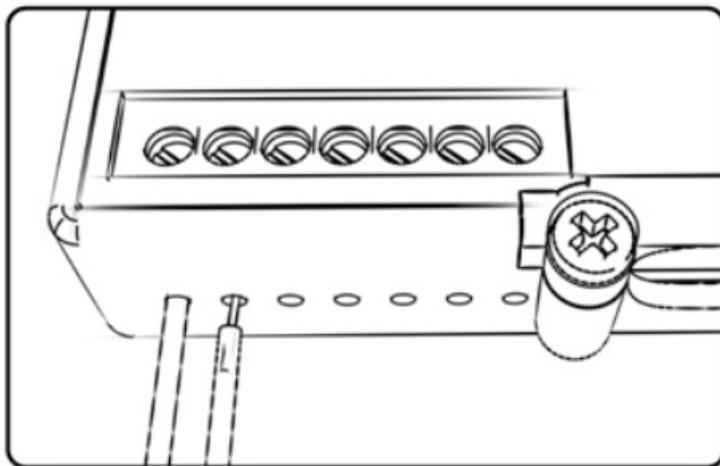
- Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro strips
- 1 Alcohol swab

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

THE LATEST POWER COMMANDER SOFTWARE AND MAP FILES CAN BE DOWNLOADED FROM OUR WEB SITE AT: www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

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.

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. (Set to Switch Input #1 by default.)

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. (Set to Switch Input #2 by default.)

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.

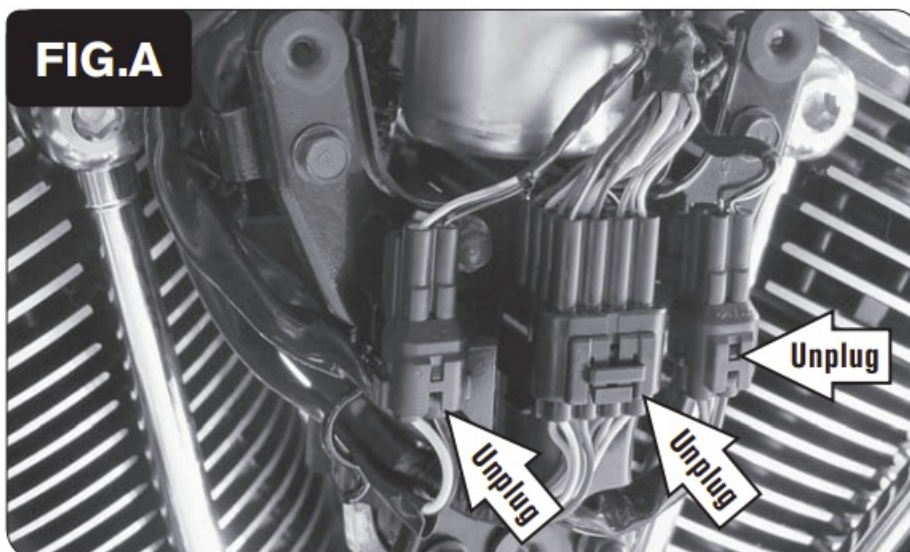
Crank-

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.

1. Remove the main seat and the passenger seat.
2. Remove the chrome left hand side engine cover below the fuel tank.
3. Remove the fuel tank.

To disconnect the fuel line, squeeze the orange tabs while pushing in.

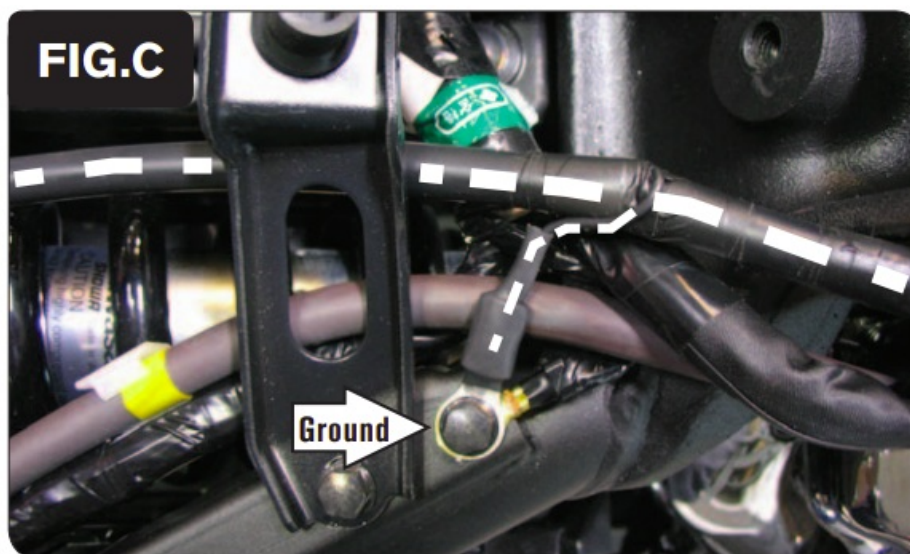
4. Unplug the stock electrical connectors that are located behind the chrome engine cover that was removed in step 2 (**Fig. A**).



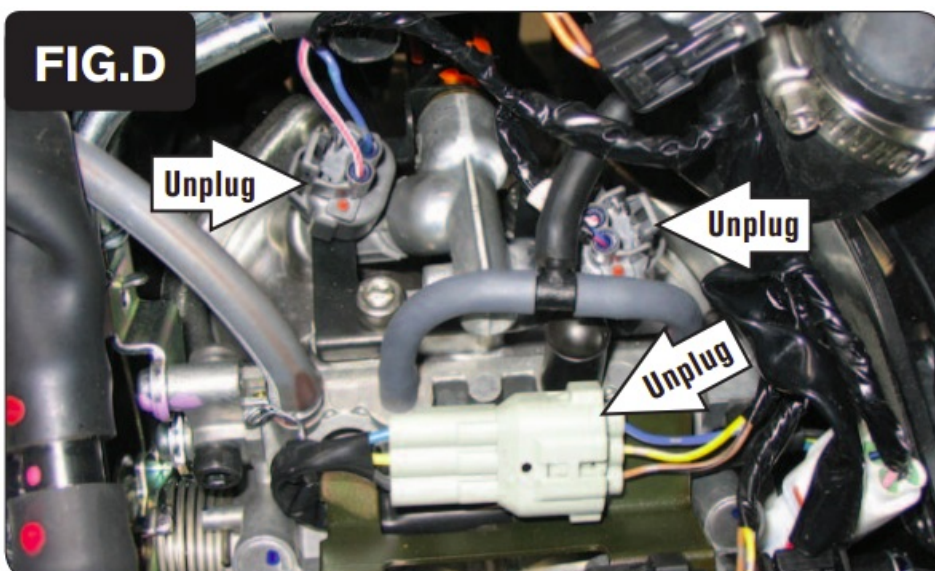
5. Lay the PCV in the battery area and route the PCV wiring harness forward towards the throttle bodies following along the stock wiring harness and through the stock wiring harness guides (**Fig. B**)



6. Secure the PCV ground wire with the small ring lug to the stock common ground near the right side of the seat bracket (**Fig. C**).



7. Locate the bike's throttle body between the cylinders; and unplug both of the Fuel Injectors.
8. Also, unplug the stock Throttle Position Sensor connectors (**Fig. D**).



The TPS connectors are the pair of GREY 3-pin connectors.

9. Plug the PCV wiring harness in-line of the Fuel Injectors and the stock wiring harness (**Fig. E**).



The pair of PCV leads with ORANGE colored wires go in-line of the front cylinder fuel injector and stock connector. Likewise, the pair of PCV leads with YELLOW colored wires go in-line of the rear cylinder fuel injector and stock connector. 10 Plug the pair of PCV leads with 3-pin connectors in-line of the stock TPS connectors. **FIG.E**

10. Using the supplied Velcro strips, secure the PCV module to the battery cover towards the rear of the shock.

Use the supplied alcohol swab to clean both surfaces prior to applying the

Velcro adhesive.

11. Reconnect the stock electrical connections that were disconnected in step 4. Reinstall the fuel tank, cover, and seat. Optional inputs: Speed – PINK wire of the 3-pin connector located under the right hand side cover



- 12.
13. 12v source for Auto-tune – RED wire of the 6-pin tail light connecto



Documents / Resources



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VN2000 Power Commander, VN2000, Power Commander, Commander

References

- [User Manual](#)

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