

POWER COMMANDER V

2020-2021 Yamaha Tenere 700
Installation Guide

YAMAHA
DYNOJET

PARTS LIST

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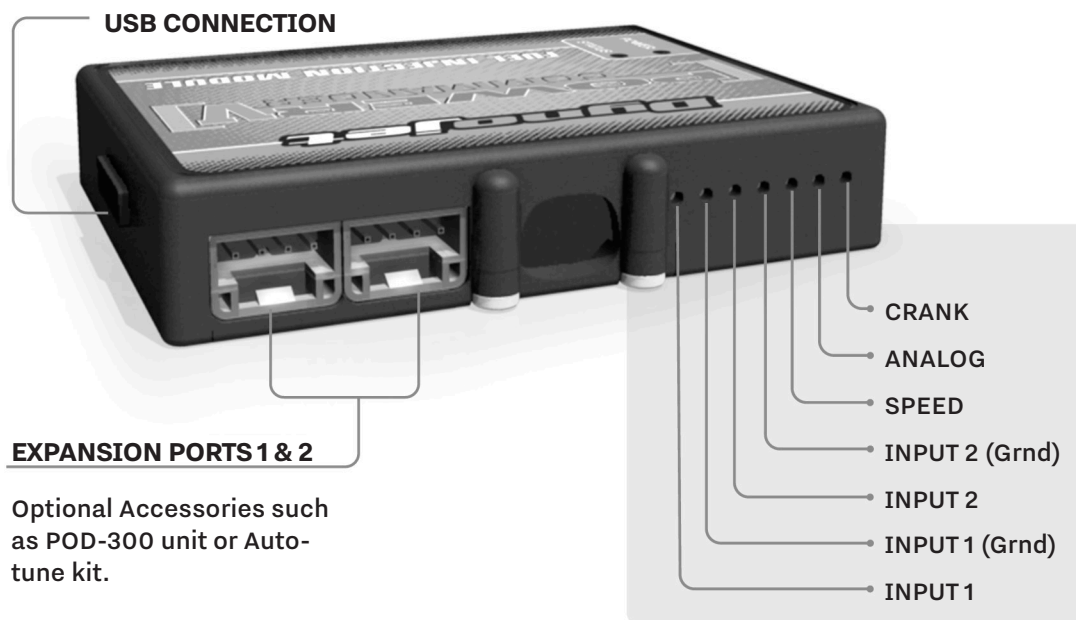
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|----------------------|--------------------------|
| 1 POWER COMMANDER V | 2 DYNOJET DECALS |
| 1 INSTALLATION GUIDE | 2 POWER COMMANDER DECALS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 VELCRO STRIPS | |

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

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POWER COMMANDER V INPUT ACCESSORY GUIDE



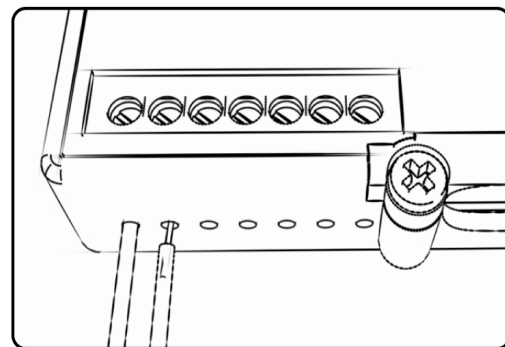
ACCESSORY INPUTS:

- 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.

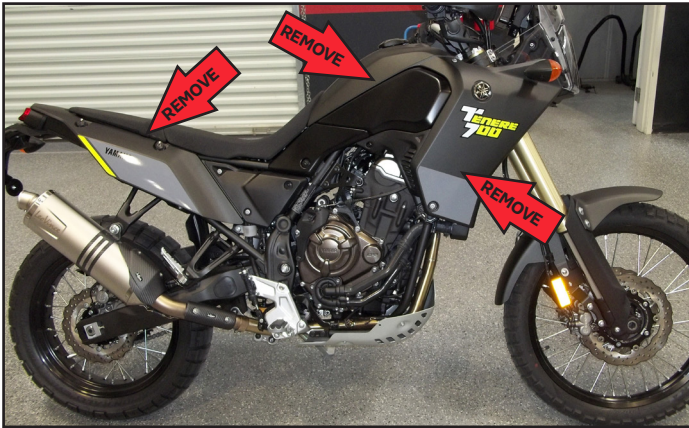
WIRE CONNECTIONS:

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



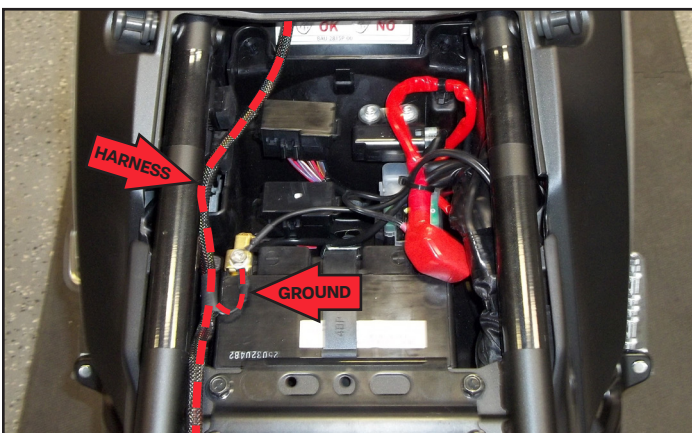
REMOVE BODYWORK

- 1 Remove the seat, the fuel tank cover, and the radiator shrouds on both sides of the bike.
- 2 Remove the fuel tank.



INSTALL PCV

- 3 Lay the PCV in the tail section and route the harness down the right side of the bike going towards the engine.



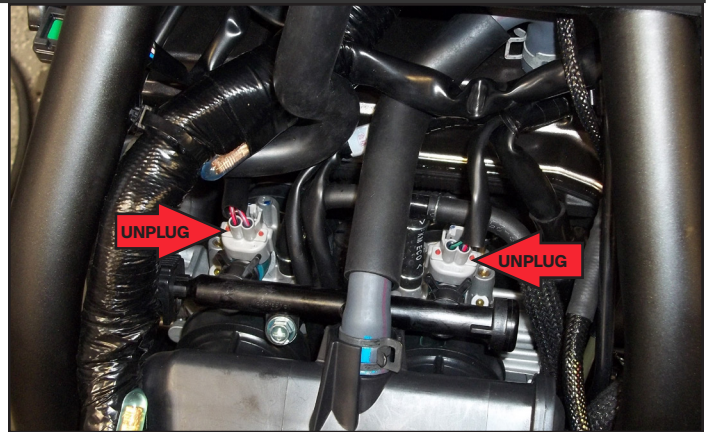
ATTACH GROUND WIRE

- 4 Attach the ground wire from the PCV to the negative (-) side of the battery.

INSTALLING THE POWER COMMANDER V

- 5 Unplug the stock wiring harness from the bike's injectors.

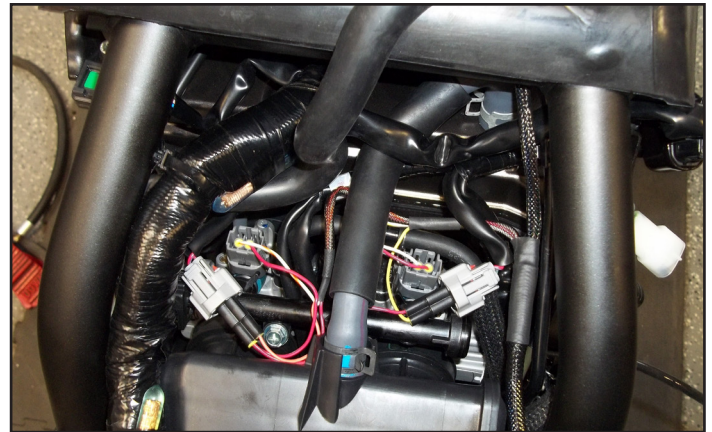
The injectors are located just in front of the air box.



UNPLUG INJECTORS

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

PCV ORANGE wires go to cylinder #1 (left)

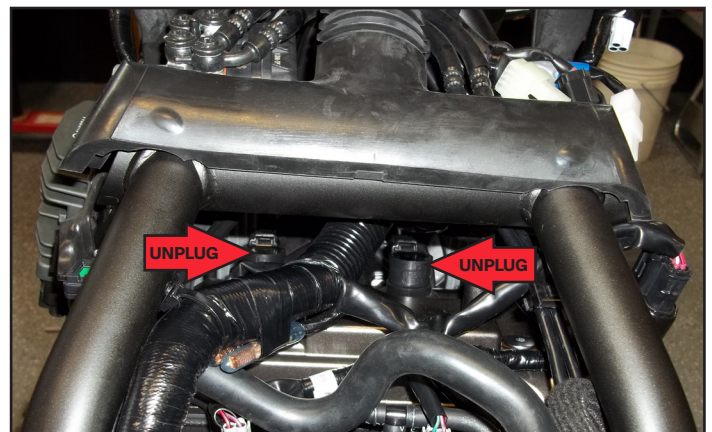


CONNECT TO INJECTORS

- 7 Unplug the stock wiring harness from each ignition coil stick.

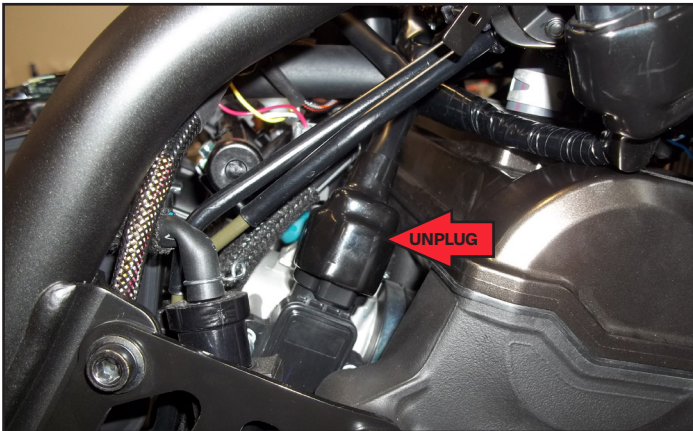
- 8 Plug the PCV in-line of the ignition coil and wiring harness.

PCV GREEN wires go to cylinder #1 (left)



UNPLUG COILS

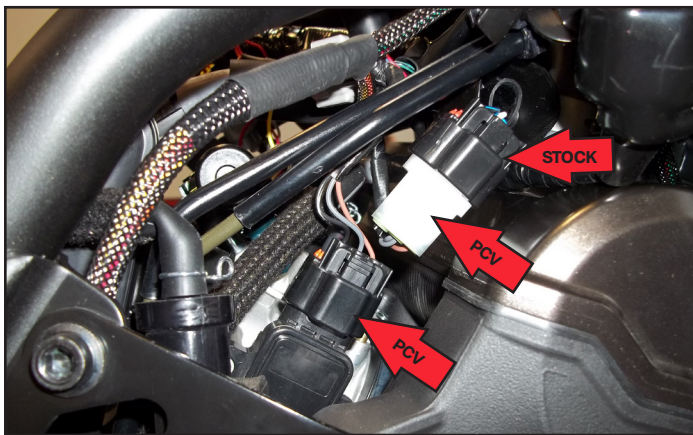
INSTALLING THE POWER COMMANDER V



UNPLUG TPS

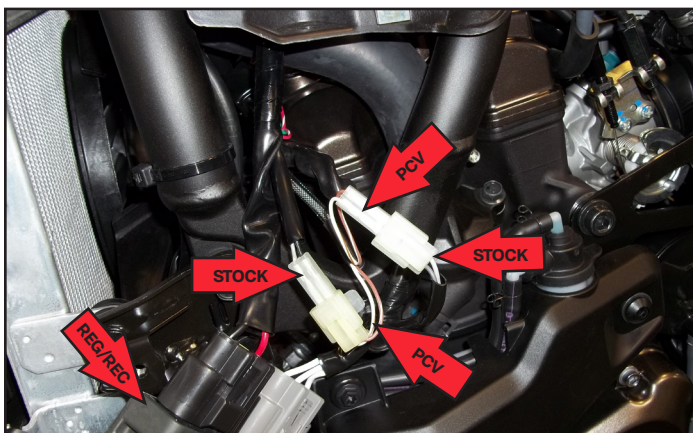
- 9 Unplug the stock wiring harness from the Throttle Position Sensor.

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



CONNECT TPS

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



CONNECT THE CPS

- 11 On the left side of the motorcycle located the Crank Position sensor.

This is a WHITE 2 pin connector located behind the regulator/rectifier. The regulator/rectifier will need to be unbolted to access this connector.

- 12 Unplug the stock CPS and plug the PCV in-line of the CPS and stock wiring harness.
- 13 Secure the PCV in the tail section using the supplied velcro.

Go to www.dynojet.com for more information or to download maps.



PUSH THE LIMIT

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