

POWER COMMANDER 6

Install guide for PC6-22100

Model coverage:
2022 Yamaha R7

PARTS LIST



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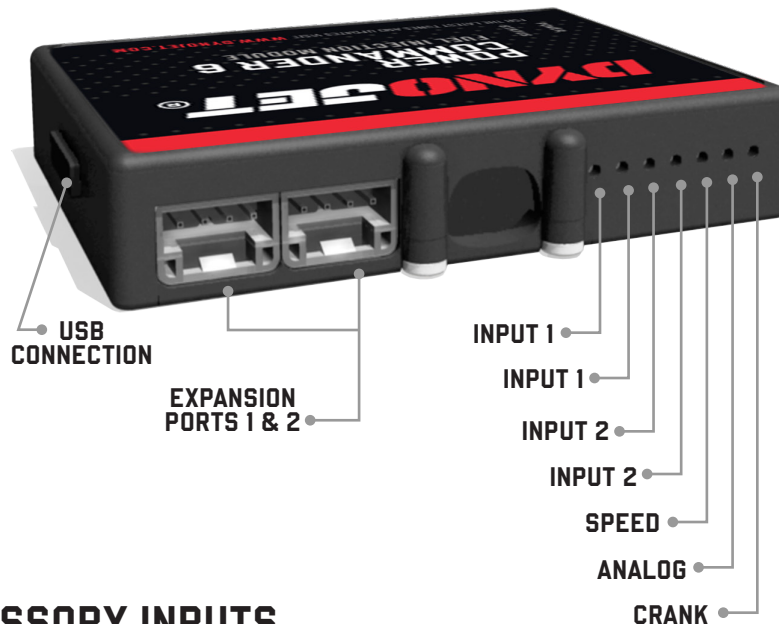
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-22100.01



INPUT ACCESSORY GUIDE



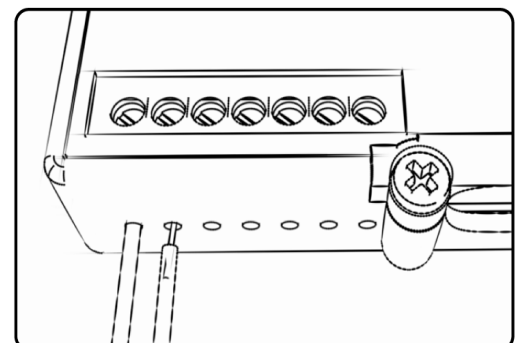
OPTIONAL ACCESSORY INPUTS

- Map** (Input 1 or 2) The PC6 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.
- Shifter** (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to 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 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.
- Launch** You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

WIRE CONNECTIONS

To input wires into the PC6 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 PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

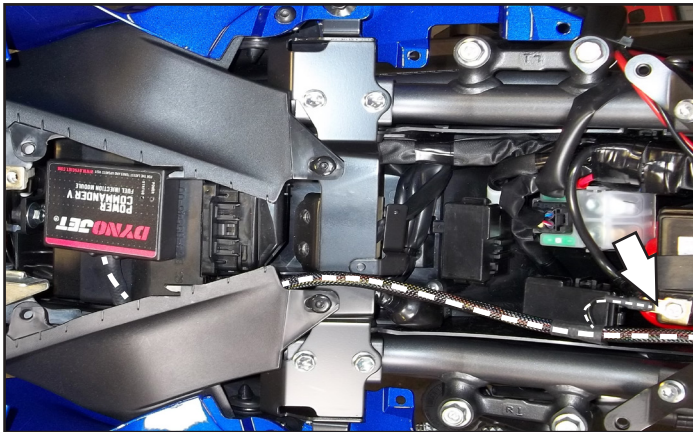
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



- 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 PC6 in tail section. Route the PC6 harness down the right side of the frame going towards the throttle bodies.
- 4 Attach the ground wire of the PC6 to the negative (-) side of the battery.



- 5 Unplug the stock wiring harness from each injector.

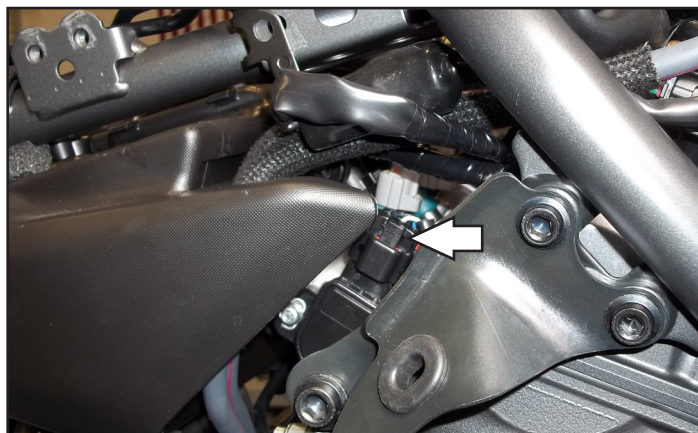
- 6 Plug the PC6 in-line of the stock wiring harness and each injector.

PC6 ORANGE wires go to the #1 cylinder (left)

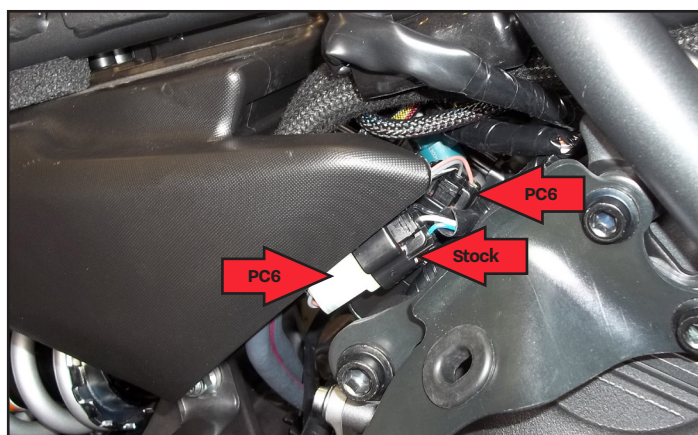


- 7 Unplug the stock Throttle Position Sensor (TPS) connector.

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



- 8 Plug the PC6 in-line of the TPS and stock wiring harness.



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





- 10 Plug the PC6 in-line of the stock ignition coils and wiring harness.

PC6 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 PC6 in-line of the stock wiring harness and CPS.

- 13 Using one of the supplied Velcro strips, secure the PC6 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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