

POWER COMMANDER 6

Install Guide for: PC6-22043

Model coverage: 2

2008-2020 Yamaha WR250 X

2008-2020 Yamaha WR250 R

PARTS LIST

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| 1 | POWER COMMANDER 6 | 2 | DYNOJET DECALS |
| 1 | INSTALLATION GUIDE | 2 | POWER COMMANDER DECALS |
| 1 | USB CABLE | 2 | ZIP TIES |

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

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IPC6-22043.01



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 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 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.

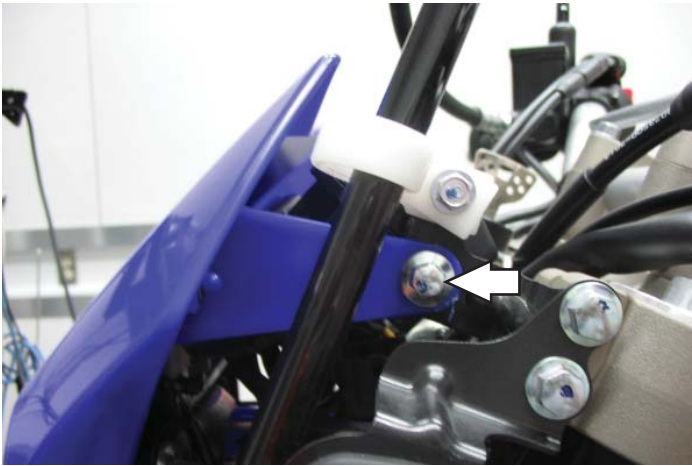
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat and fuel tank.
- 2 Remove both side covers.



- 3 Remove the headlight by removing the bolt shown on both sides.



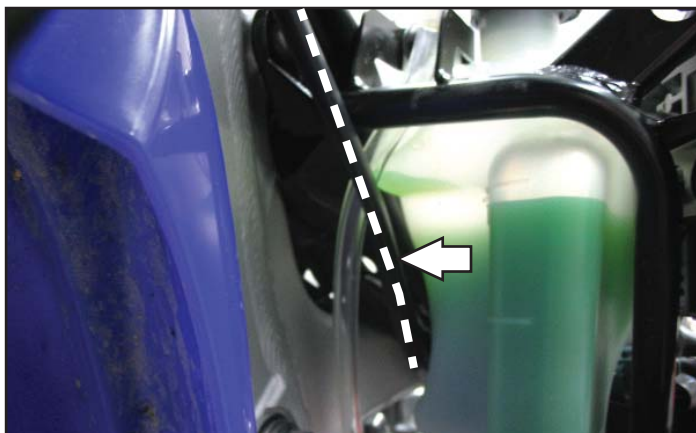
- 4 Attach the PC6 to the bottom of the headlight using the supplied zip ties.

- 5 Route the PC6 harness through the cable guide on the left hand side of the frame.



- 6 Route the PC6 harness between the frame and coolant reserve bottle.

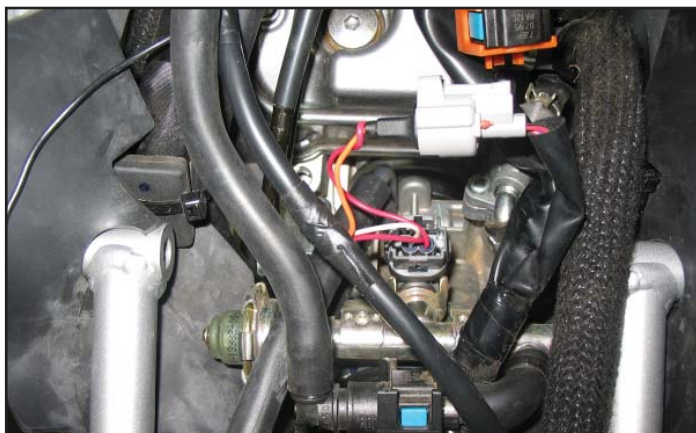
Continue to route above the engine and go towards the throttle body.

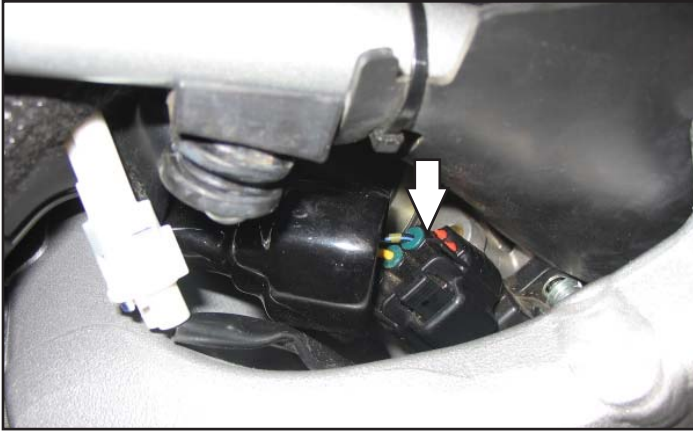


- 7 Unplug the stock wiring harness from the injector.



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





- 9 Locate the Throttle Position Sensor connector on the right hand side of the throttle body.

This connector is covered with a **BLACK** rubber boot.

- 10 Unplug the TPS connector from the throttle body.



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



- 12 Locate the 2-pin GREY connector under the left hand radiator cover.

This connector is inside the **BLACK** rubber boot.

- 13 Unplug the crank pickup coil connector.



- 14 Plug the **WHITE** connectors from the PC6 in-line of the stock wiring harness and crank pickup coil sensor.

- 15 Unplug the stock wiring harness from the coil stick.



- 16 Plug the PC6 in-line of the stock wiring harness and coil stick.



- 17 Attach the ground wire of the PC6 to the negative side of the battery.

- 18 Reinstall side covers and fuel tank.


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

Optional inputs:

Speed input - WHITE wire of 3-pin connector. This connector is located near the negative side of the battery.

12v source for Autotune - BROWN wire of 3-pin connector for tail light. This connector is located near the positive side of the battery.





**PUSH
THE
LIMIT**

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