

POWER COMMANDER 6

Installation Guide for: PC6-22053

Model Coverage: 2012-2014 Yamaha WR450F

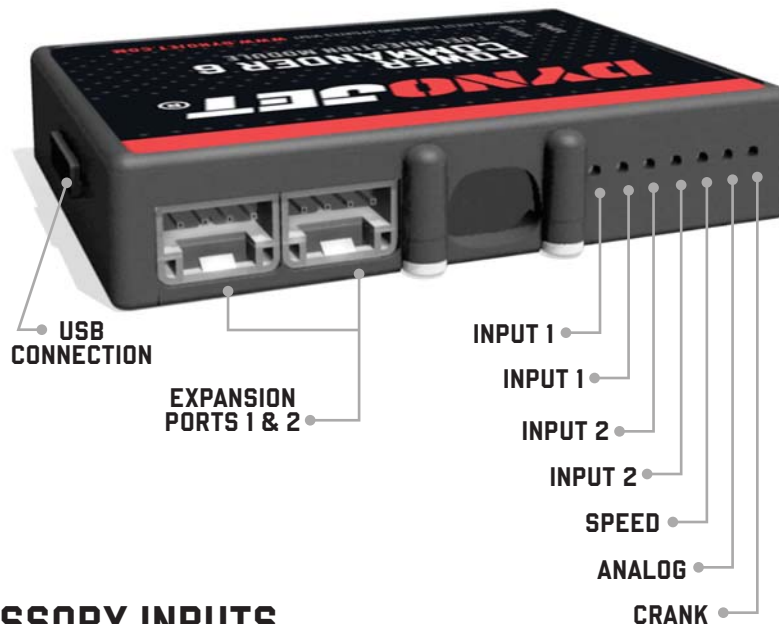
PARTS LIST

- | | |
|----------------------|--------------------------|
| 1 POWER COMMANDER 6 | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 DYNOJET DECALS | |

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



INPUT ACCESSORY GUIDE



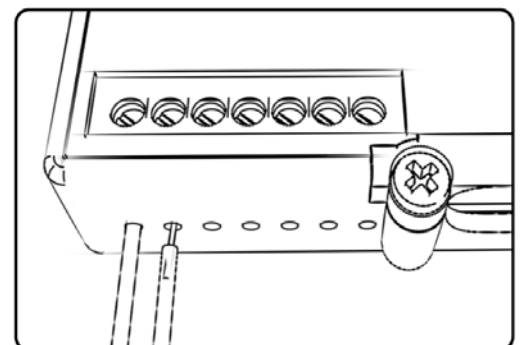
OPTIONAL ACCESSORY INPUTS

- 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.

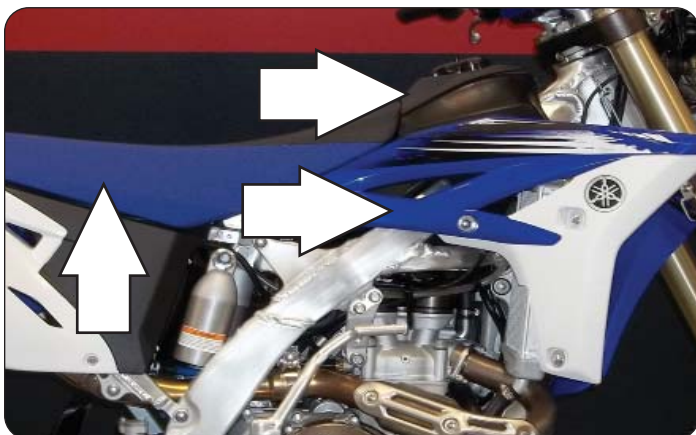
WIRE CONNECTIONS

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 the seat, the radiator side covers, and the fuel tank.



- 2 Secure the module to the top of the rear fender under the seat in the location shown.

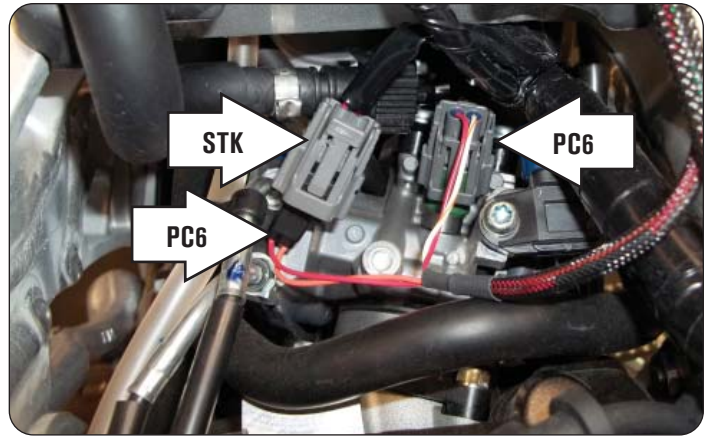
Use the supplied Velcro to secure the module. Clean both surfaces with the supplied alcohol swab prior to applying the Velcro.

- 3 Route the PC6 wiring harness down the left hand side of the frame towards the engine following the stock wiring as closely as possible.
- 4 Secure the ground wire with the eyelet of the PC6 wiring harness to the negative terminal of the bike's battery.



- 5 Locate and unplug the stock wiring harness from the fuel injector on top of the bike's throttle body.

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

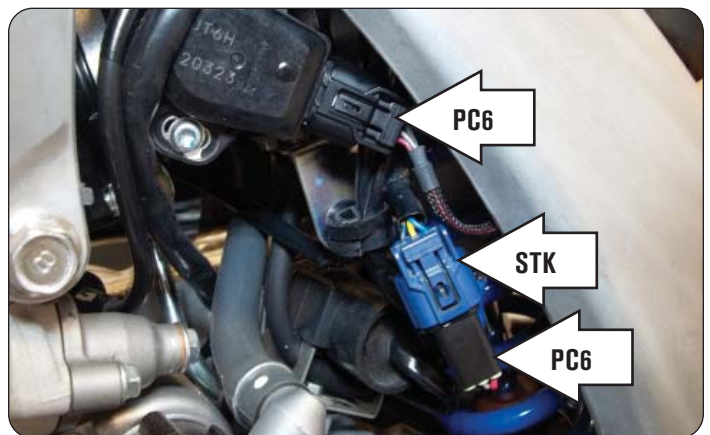


- 7 Locate and unplug the stock wiring harness from the bike's Throttle Position Sensor.

The TPS is located on the left side of the throttle body.



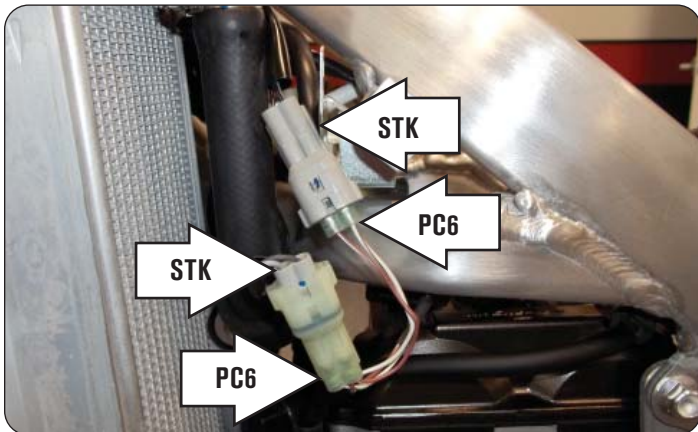
- 8 Plug the PC6 wiring harness in-line of the TPS and the stock wiring harness.



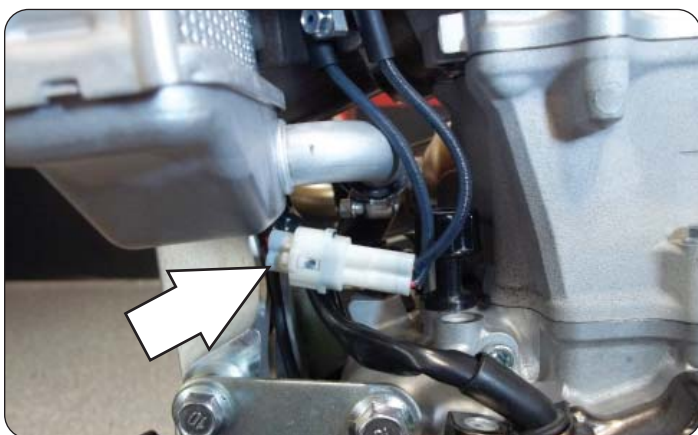
- 9 Locate and unplug the stock wiring harness from the bike's Crank Position Sensor.

This connector is located to the left of the frame just behind the radiator. You can trace the stock wiring harness coming out of the left side engine cover to this connector.



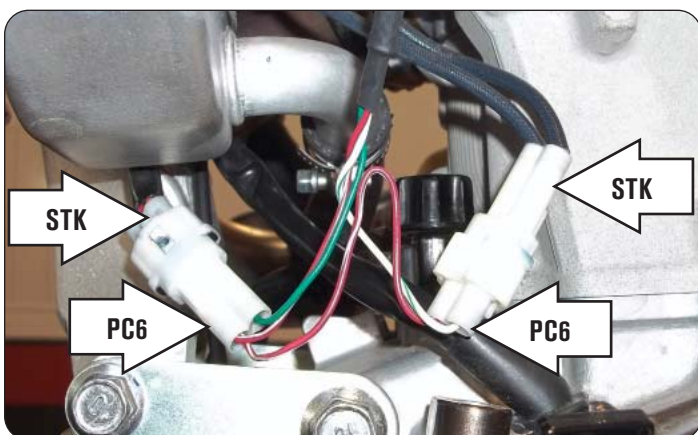


- 10 Plug the PC6 wiring harness in-line of the stock wiring harness and CPS.



- 11 Locate and unplug the stock wiring harness from the bike's Ignition Coil.

This connector is on the front left side of the bike just below the radiator.



- 12 Plug the PC6 wiring harness in-line of the Ignition Coil and the stock wiring harness.
- 13 Reinstall the fuel tank, radiator side covers, and the seat.

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



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