

POWER COMMANDER 6

Installation Guide for: PC6-22045

Model Coverage: 2010-2013 Yamaha YZ450F

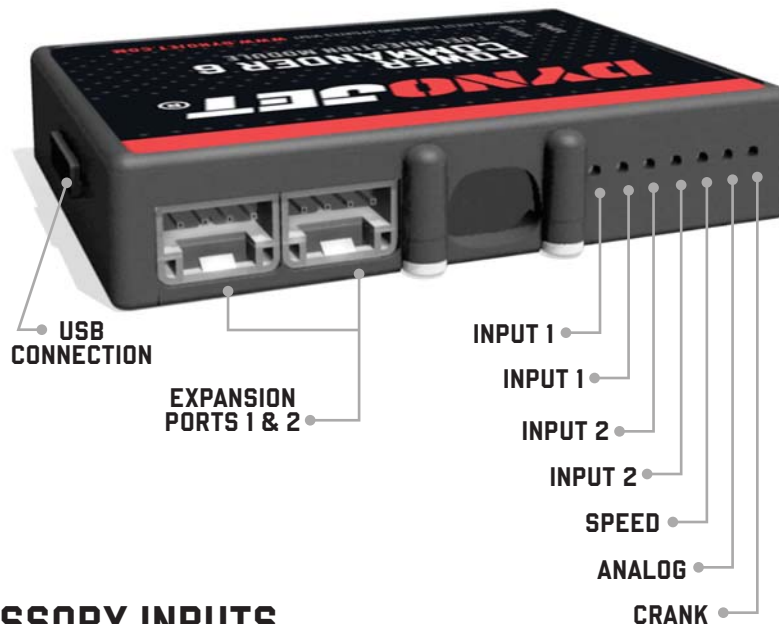
PARTS LIST

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

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



INPUT ACCESSORY GUIDE



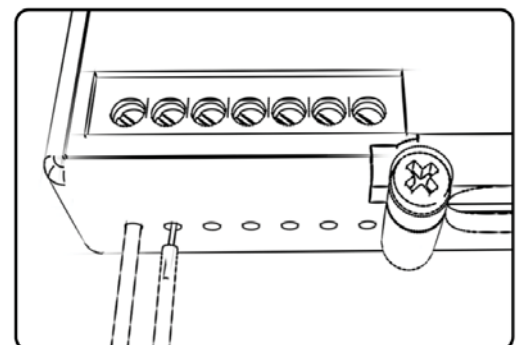
OPTIONAL ACCESSORY INPUTS

- 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.

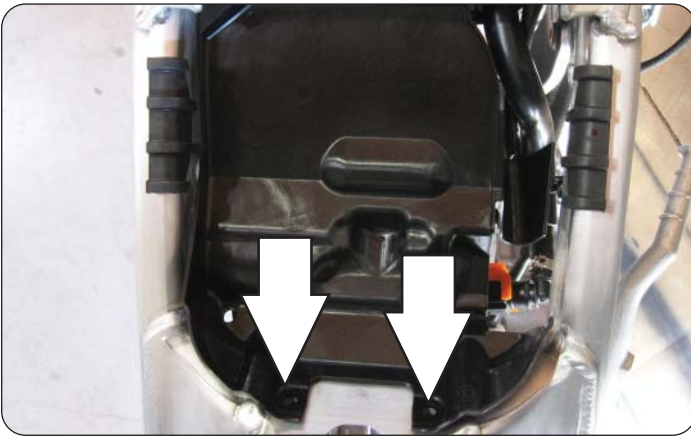
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat.
- 2 Remove the air box and radiator covers on the right hand side.
- 3 Remove the fuel tank.



- 4 Remove the tray underneath the fuel tank by removing the 2 push pins.



- 5 Unplug the stock wiring harness from the fuel injector.

- 6 Install the PC6 module to the right hand side of the frame using the supplied Velcro and/or the zip tie.
- 7 Attach the ground wire of the PC6 to the bolt shown.
- 8 Route the PC6 harness to the inside of the frame and go towards the injector.

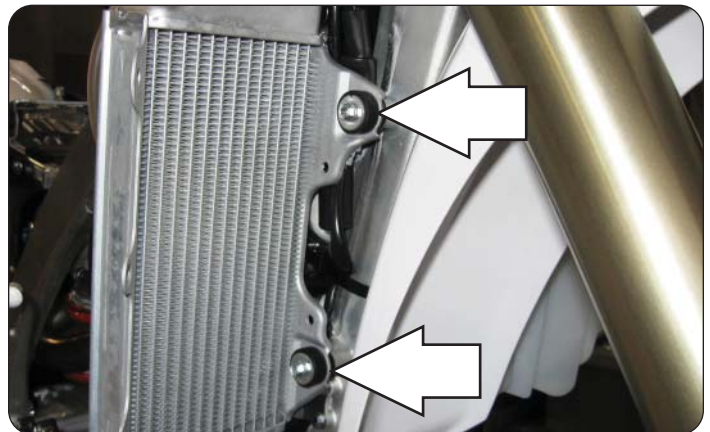


- 9 Plug the PC6 connectors in-line of the stock wiring harness and fuel injector.

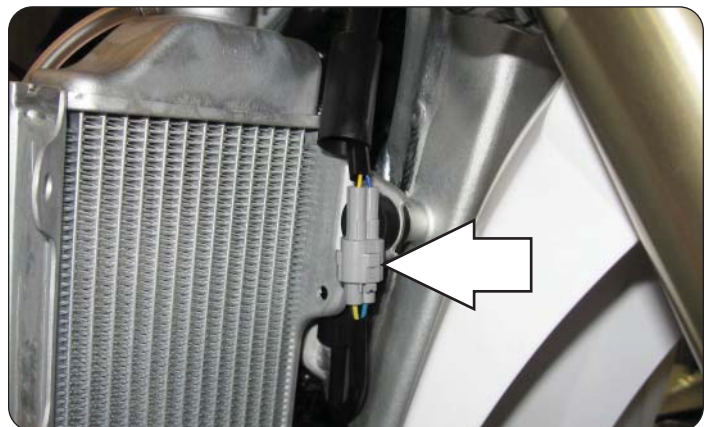


- 10 Remove the 2 radiator mounting bolts on the right hand side of the bike.

This allows access to the wiring harness behind the radiator.

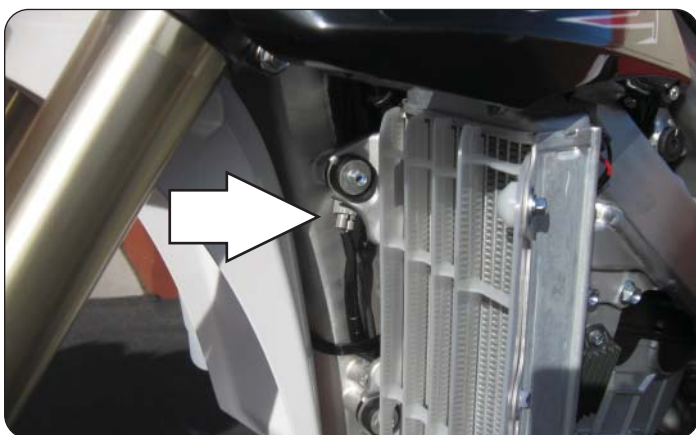


- 11 Locate the 3 pin GREY connector and unplug it.





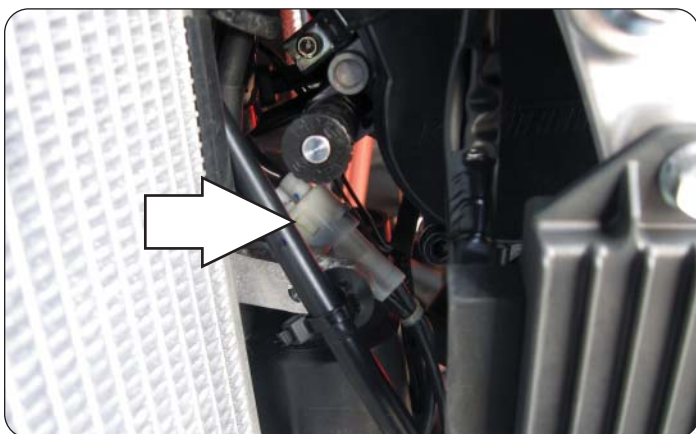
- 12 Plug the PC6 harness in-line of the stock wiring harness for the Throttle Position Sensor connectors.



- 13 Locate the crank position sensor connector on the front of the radiator left of the frame.



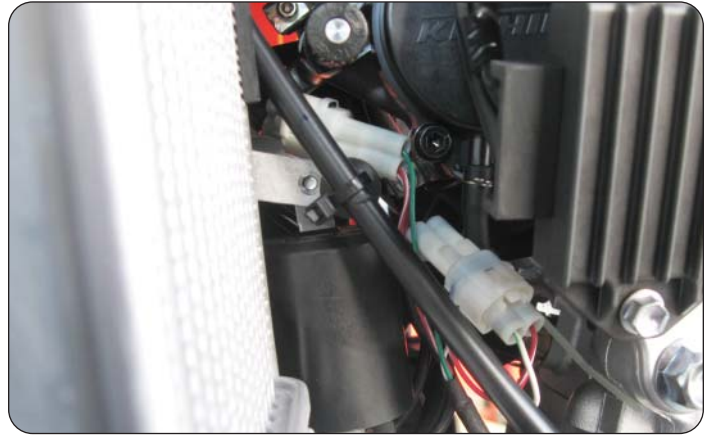
- 14 Plug the PC6 harness in-line of the stock wiring harness for the crank position sensor connectors.



- 15 Locate the ignition coil connectors behind the radiator on the left hand side of the bike.

- 16 Plug the PC6 harness in-line of the stock wiring harness for the ignition coil.
- 17 Reinstall the fuel tank tray, fuel tank, radiator, and bodywork.

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





**PUSH
THE
LIMIT**

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