

# POWER COMMANDER 6

Installation Guide for: PC6-22059

Model Coverage: 2002-2003 Yamaha R1

## 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     |                          |

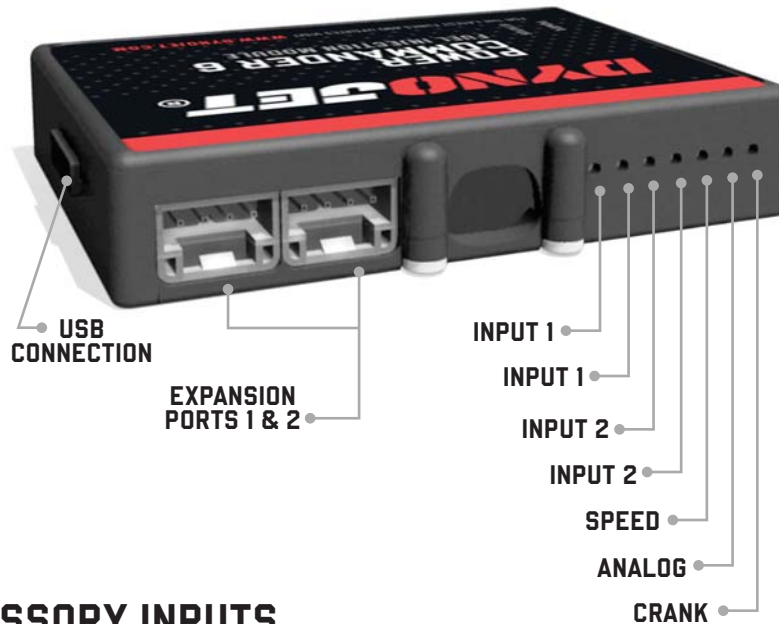
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.  
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-22059.01



# INPUT ACCESSORY GUIDE



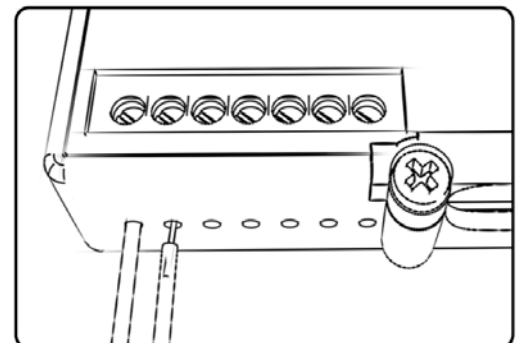
## OPTIONAL ACCESSORY INPUTS

- 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.

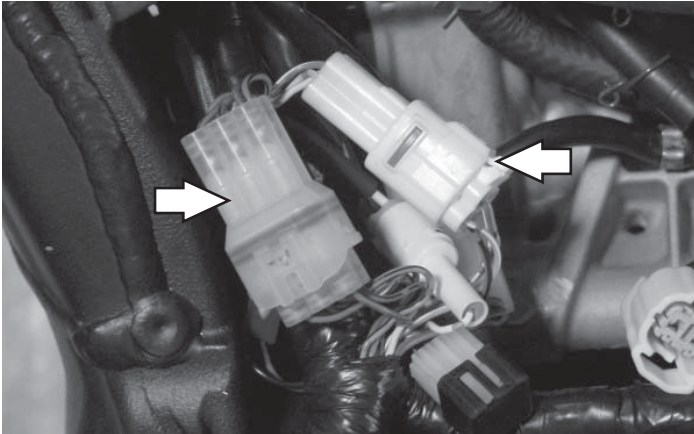
## WIRE CONNECTIONS

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.

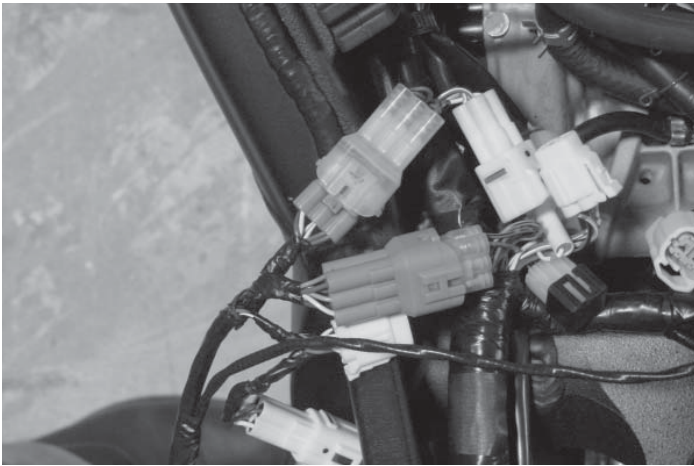


# INSTALLING THE POWER COMMANDER 6



- 1 Remove the rider's and passenger's seat (or solo cover).
- 2 Lift the front of the fuel tank and prop it up with a prop rod.
- 3 Locate and unplug the stock 6-pin and 4-pin connectors for the bike's fuel injector sub-harness and throttle position sensor.

These connectors are located behind the throttle bodies under the fuel tank on the left hand side of the bike.

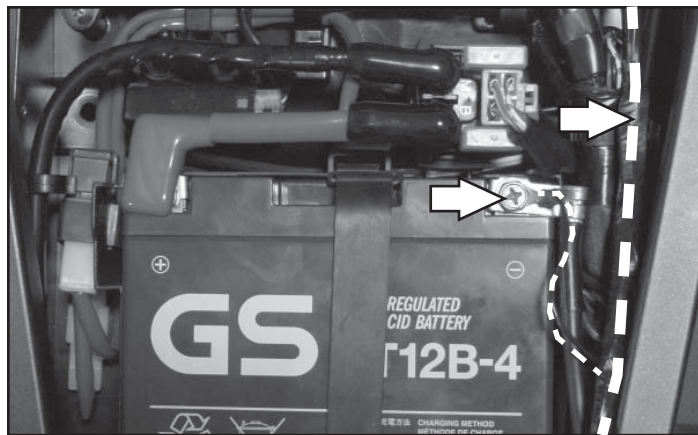


- 4 Plug the pair of 6-pin connectors on the PC6 wiring harness in-line of the stock 6-pin connectors.



- 5 Plug the pair of 4-pin connectors on the PC6 wiring harness in-line of the stock 4-pin connectors.

- 6 Route the PC6 wiring harness to the tail section following just inside the left side frame rail.
- 7 Secure the PC6 ground wire with the ring lug to the negative (-) side of the bike's battery.



- 8 Secure the PC6 module inside the tail section, using the supplied Velcro.  
  
Clean the surface with the supplied alcohol swab prior to applying the Velcro.
- 9 Lower and secure the fuel tank.
- 10 Reinstall the seats.



Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).


#### Optional inputs:

**Speed** - PINK wire from speed sensor. Connector is located under the fuel tank on the right hand side.

Connector has PINK, ORANGE/RED, and BLACK/WHITE wires.

**Temperature** - GREEN/WHITE wire on pin #31 of the ECU.

**12v source for Autotune** - BLUE wire of taillight connector. Connector is located by the ECU. It is a WHITE 3-pin connector with BLACK, BLUE, and YELLOW wires.



**PUSH  
THE  
LIMIT**

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