

# POWER COMMANDER 6

Installation Guide for: PC6-22001

Model Coverage: 2003-2005 Yamaha R6  
2006-2009 Yamaha R6S

## 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.**



IPC6-22001.01



# 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.

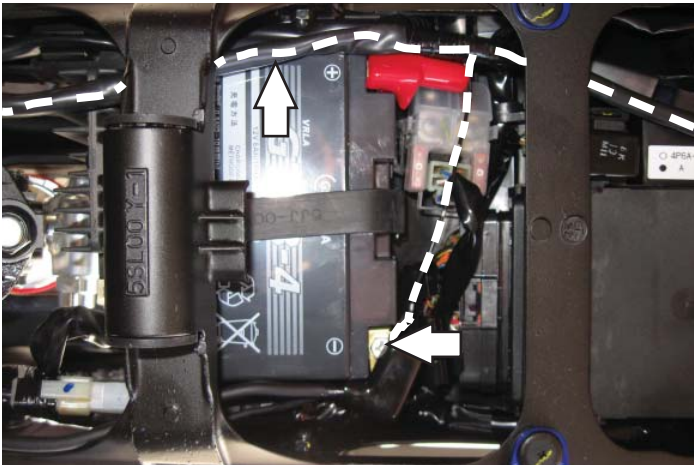
NOTE: If you tin the wires with solder it will make inserting them easier.



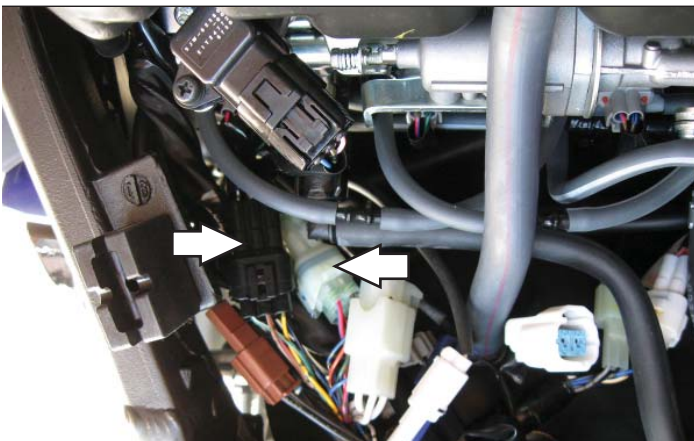
# INSTALLING THE POWER COMMANDER 6



- 1 Remove the main seat and the passenger seat.
- 2 Prop the front of fuel tank up.
- 3 Remove the rubber plug in the tail section near the tool kit.
- 4 Lay the PC6 unit in the tail section and route the harness through the hole and down the right side of the bike.



- 5 Route the PC6 harness under the cross member for the sub-frame.
- 6 Attach the ground wire of the PC6 to the negative side of the battery.



- 7 Unplug the two different 6-pin connectors from the throttle bodies.

One plug is **BLACK** and the other is **CLEAR**.

- 8 Plug the PC6 connectors in-line of the throttle bodies and main wiring harness. Plug the colored connectors from the PC6 into the matching stock connectors.



- 9 Secure the PC6 unit in the tail section using the supplied Velcro.
- Make sure to clean both surfaces with the alcohol swab before attaching.
- 10 Bolt the fuel tank back into place and 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 of 3-pin speed sensor connector directly on top of the engine case. This connector has PINK, ORANGE, and BLACK/WHITE wires.

Engine Temp - GREEN/WHITE wire of BLACK 6-pin connectors (connected to PCV).

12v source for Autotune - BLUE wire of the tail light connector.





**PUSH  
THE  
LIMIT**

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