POWER COMMANDER 6

Installation Guide for: PC6-22037

Model Coverage: 2004-2006 Yamaha R1

PARTS LIST

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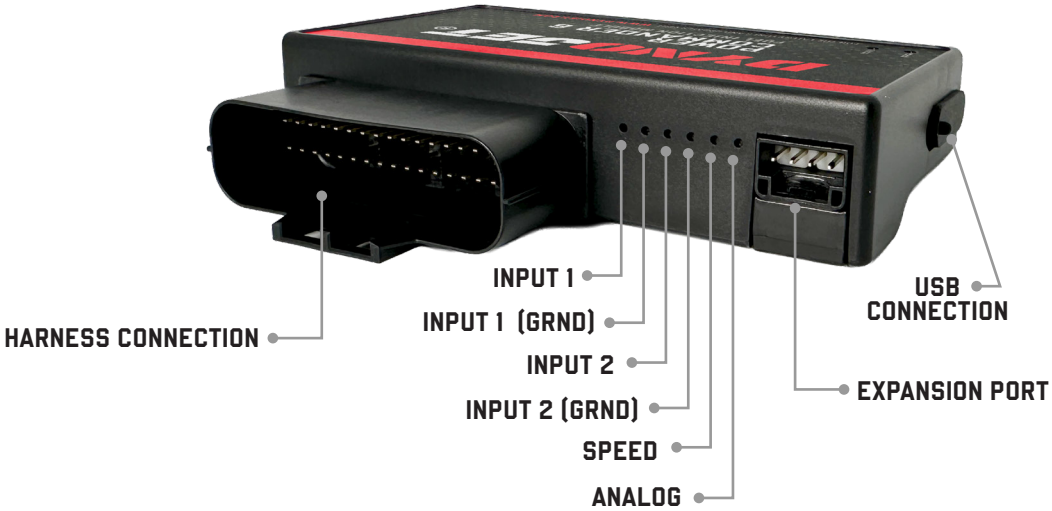
1 INSTALLATION GUIDE
1 USB CABLE
2 DYNOJET DECALS
2 POWER COMMANDER DECALS
2 VELCRO STRIPS
1 ALCOHOL SWAB

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

IPC6-22037.02

INPUT ACCESSORY GUIDE—NEW PC6



INSTALLATION—HARNESS CONNECTION

Route the PC6 harness following the instructions in this guide. To complete installation, click the harness and module together and secure the PC6 in the location as described.

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.

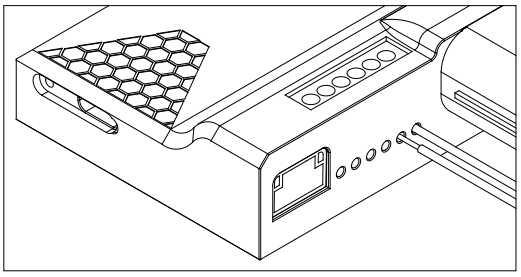
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

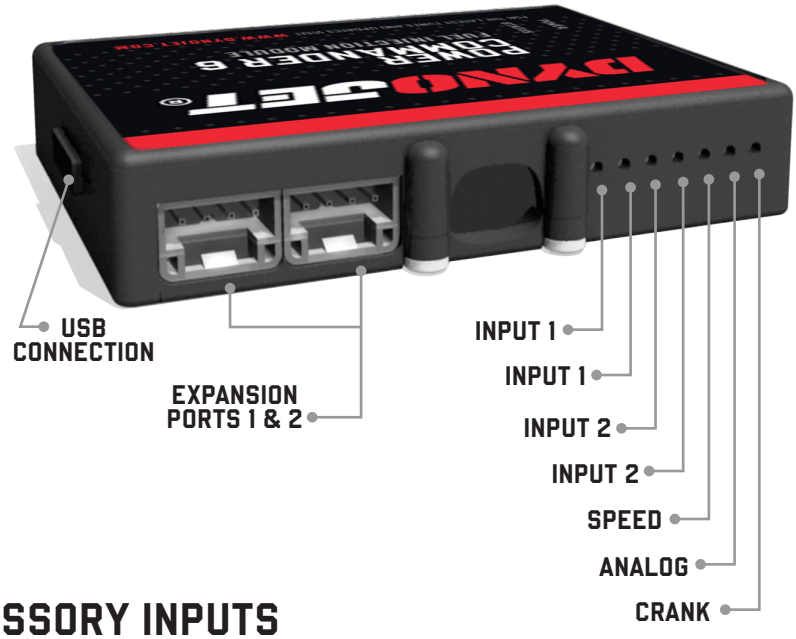
WIRE CONNECTIONS

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.



INPUT ACCESSORY GUIDE—ORIGINAL PC6



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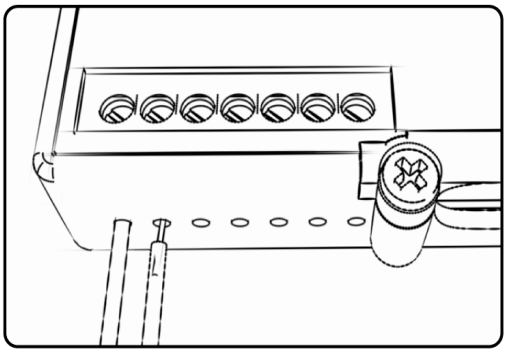
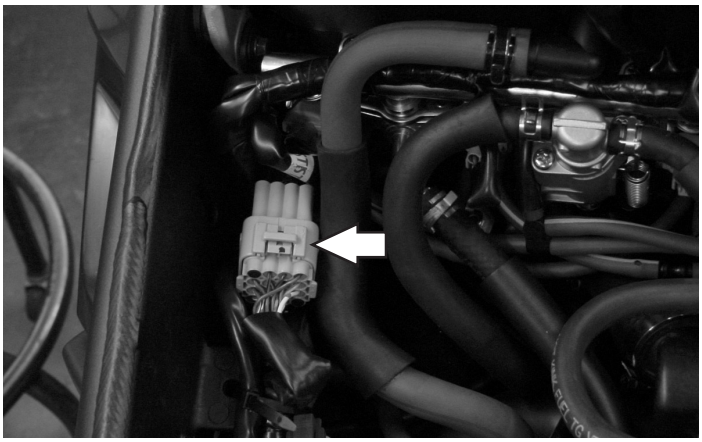


INSTALLING THE POWER COMMANDER 6



1 Remove the main seat and the passenger seat.

2 Prop the front of the fuel tank in the up position.

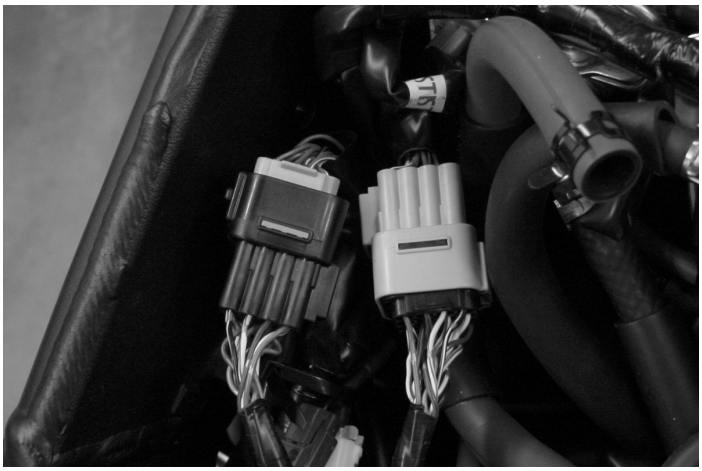
3 Lay the PC6 in the tail section.

4 Route the harness underneath the tail section and go towards the front of the bike.

5 Locate the connector from the main wiring harness to the injector rail.

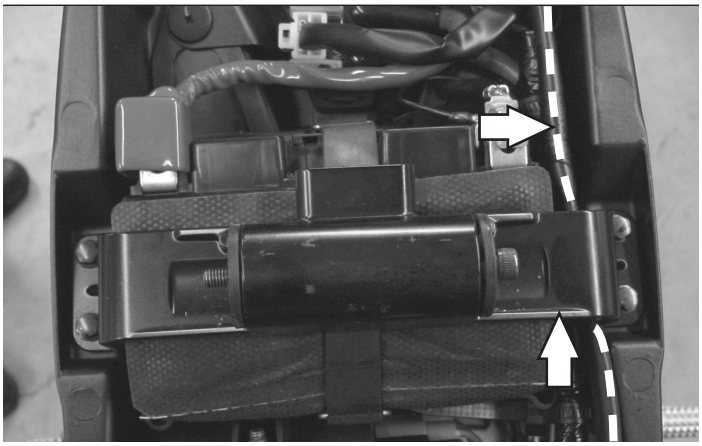
6 Unplug this connector as shown.

This connector is GREY in color.



7 Attach the connectors from the PC6 to the stock wiring harness as shown.

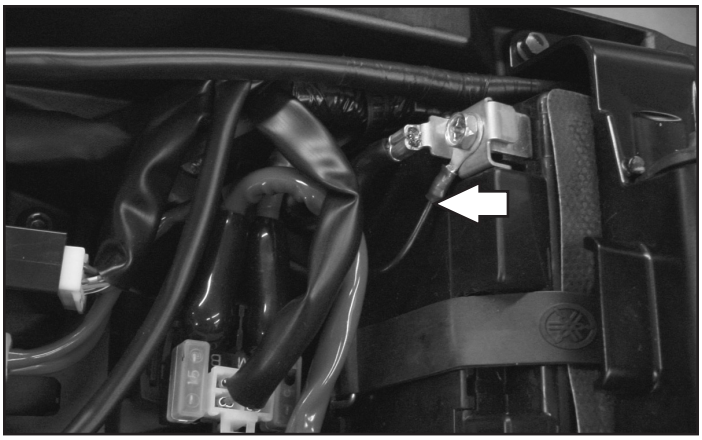
8 Bolt the fuel tank down into position.



9 Remove the two bolts on the left hand side of the battery hold down bracket and loosen the right hand bolts enough to route the PC6 harness underneath it as shown.

10 Reinstall the bracket.

11 Attach the ground wire from the PC6 to the negative side of the battery as shown.



12 Using the supplied Velcro, secure the PC6 in the rear section of the trunk as shown.

Make sure to clean both surfaces with the alcohol swab before attaching.

13 Verify all the wires are routed properly.

14 Reinstall the main seat and the passenger seat.

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

Optional inputs:
Temperature input - GREEN/WHITE wire - pin #31 of ECU.
12v source for Autotune - BLUE wire of tail light connector which is behind the left hand side panel.

TRUTH IN PERFORMANCE

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