

POWER COMMANDER 6

Installation Guide for: PC6-20057

Model Coverage: 2005-2008 Suzuki Boulevard
C50, C50 SE, and M50

PARTS LIST



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| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

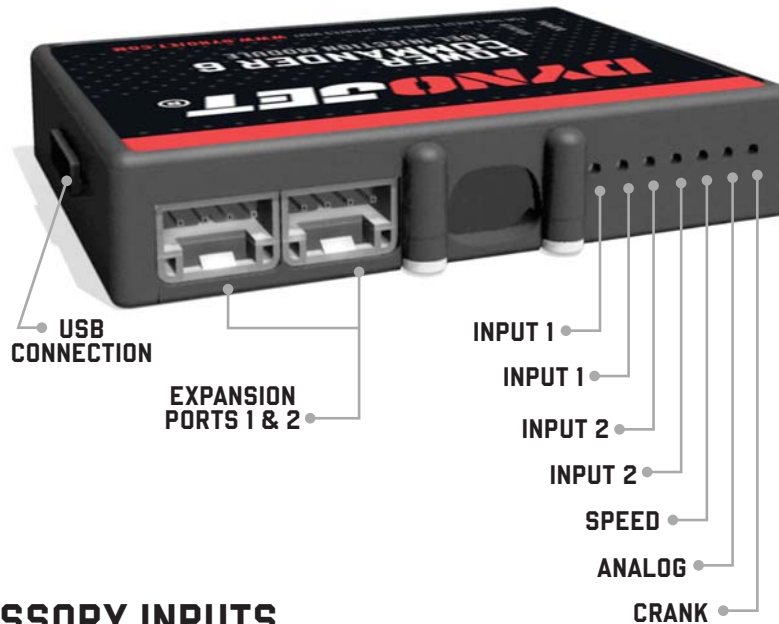
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-20057.01



INPUT ACCESSORY GUIDE



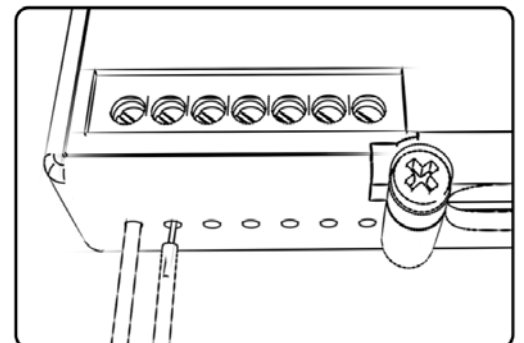
OPTIONAL ACCESSORY INPUTS

- 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.

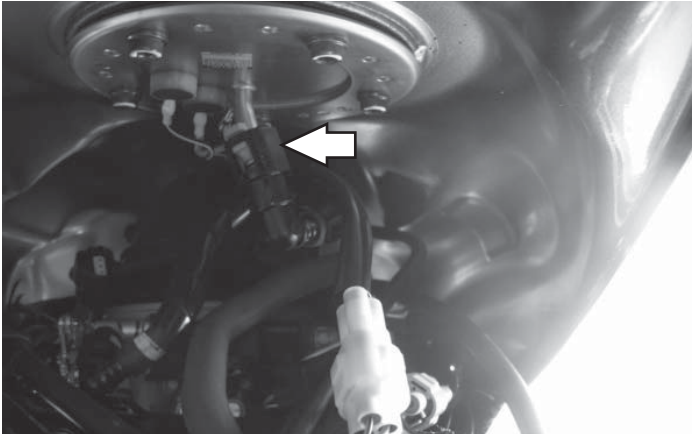
WIRE CONNECTIONS

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

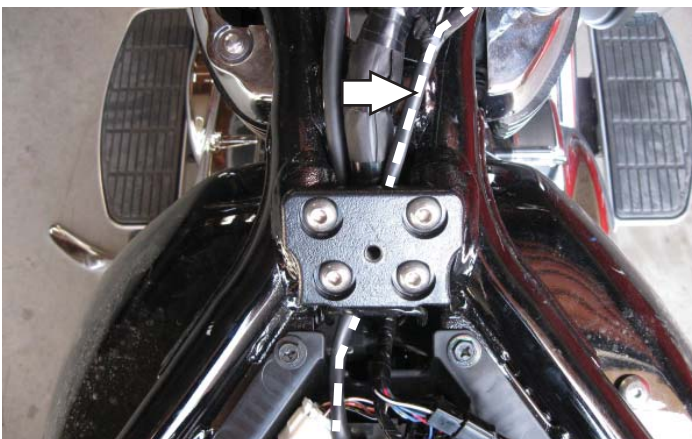


- 1 Remove the main seat and the passenger seat.
- 2 Remove the center gauge cluster.
- 3 Remove the fuel tank. To remove the tank unplug the fuel pump connector and fuel line.



- 4 Using the supplied Velcro, install the PC6 to the battery tray.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.
- 5 Attach the ground wire of the PC6 to the negative side of the battery.



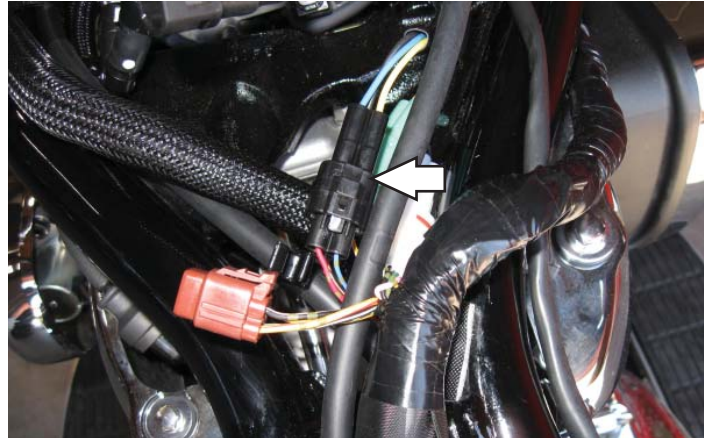
- 6 Route the PC6 harness underneath the frame crossover.

It may be necessary to unbolt the bracket to fit the PC6 connectors underneath.

- 7 Locate the Throttle Position Sensor connector.

This is a 3-pin BLACK connector located on the right hand side of the frame next to the main wiring harness and fuel pump connector.

Unplug the TPS connector.

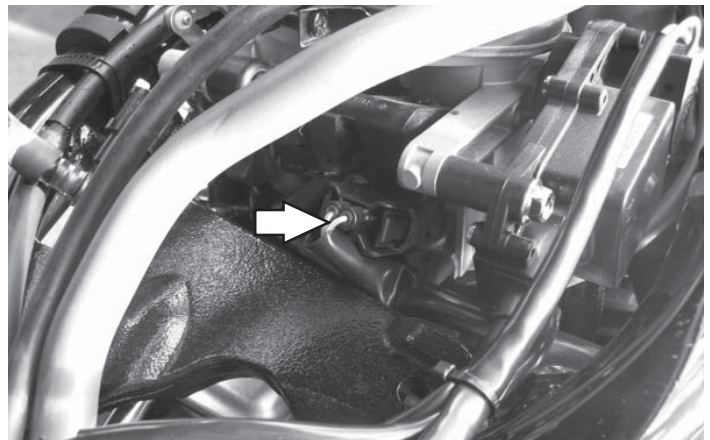


- 8 Plug the WHITE connectors from the PC6 in-line of the TPS connector and main wiring harness.

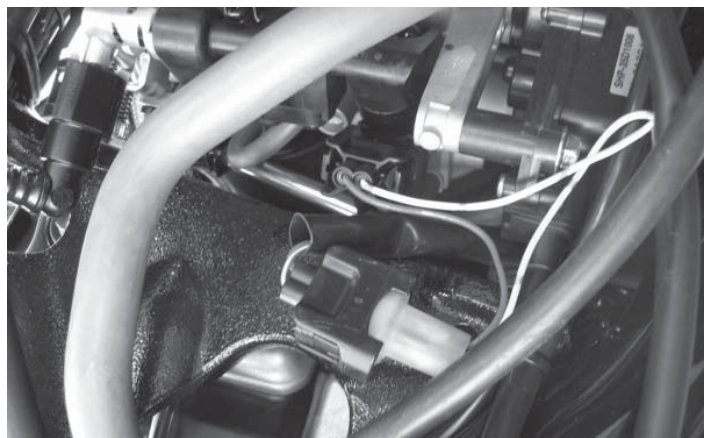
There are two other sets of connectors that these can be plugged into, make sure you go to the BLACK connectors.

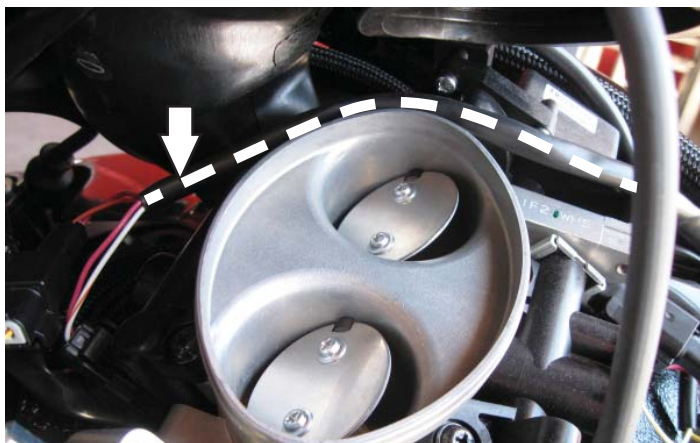


- 9 Unplug the stock wiring harness from the rear fuel injector.

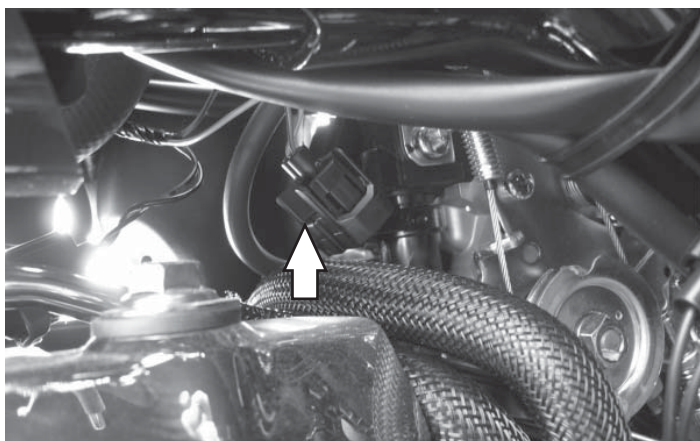


- 10 Plug the YELLOW colored wires from the PC6 in-line of the fuel injector and the stock wiring harness.

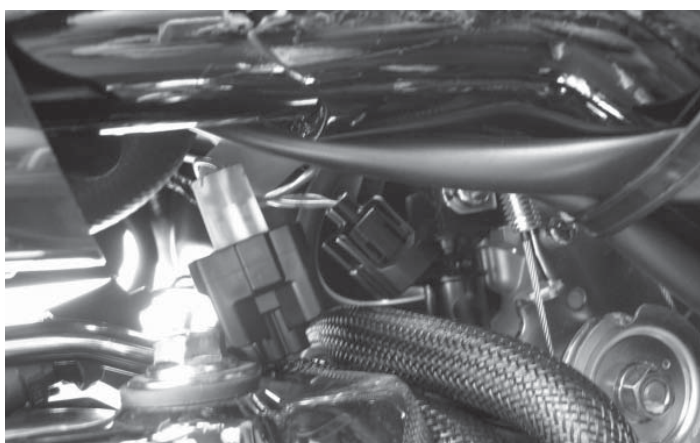




- 11 Loosen the clamp that holds the intake duct to the throttle body. Lift up on the intake duct so the PC6 harness can be routed underneath this duct and in front of the throttle body.



- 12 Unplug the stock wiring harness from the front fuel injector.



- 13 Plug the ORANGE colored wires from the PC6 in-line of the front fuel injector and stock wiring harness.
- 14 Reinstall the intake duct and tighten the clamp.
- 15 Reinstall the fuel tank and seats.

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PUSH THE LIMIT

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