POWER COMMANDER 6

Installation Guide for: PC6-20035

Model Coverage: 2003-2006 Suzuki SV650

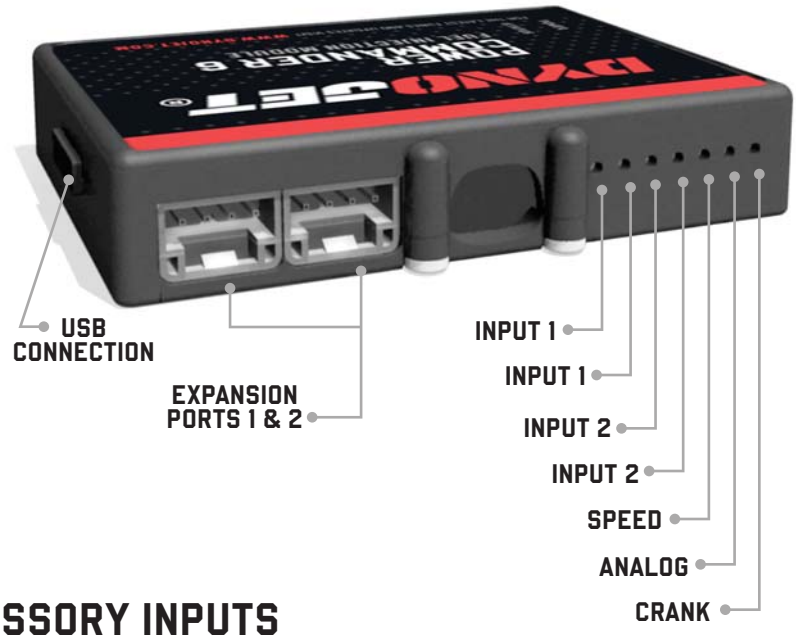
PARTS LIST

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.

IPC6-20035.01

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.

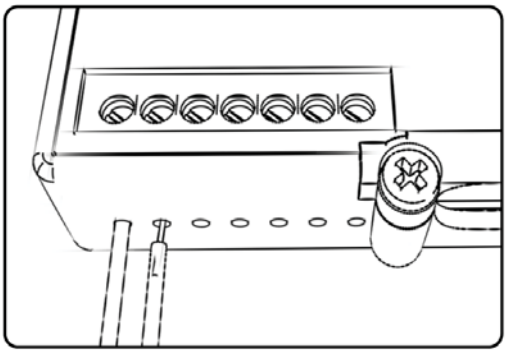
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

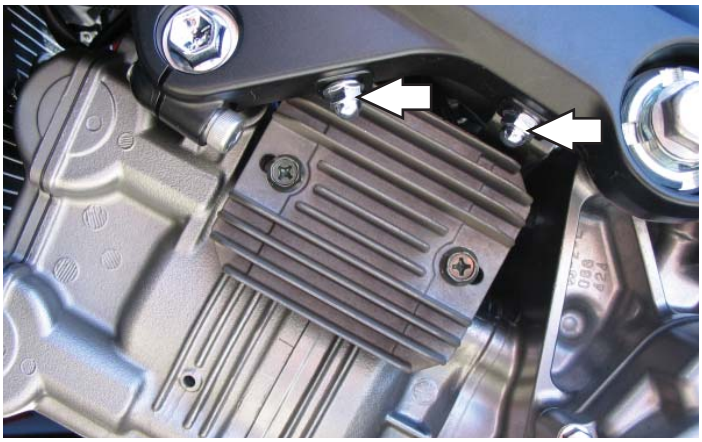
WIRE CONNECTIONS

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



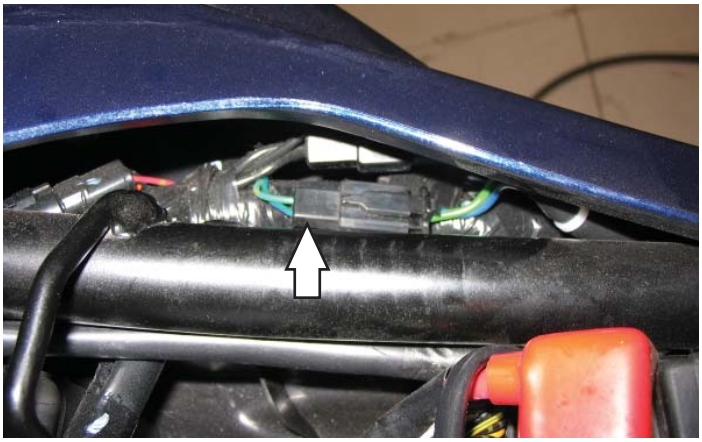
1 Remove both seats.

2 Unbolt and prop the front of the fuel tank using the Suzuki prop rod stored in the tail.

3 Remove the regulator/rectifier bracket from the frame.

4 Place the PC6 module in the tail section and route the harness forward following inside the left side frame rail.

To connect the PC6 wiring harness to the Ignition Coils we have found that it is easiest to unbolt the coils from the frame which the installation guide pictures will reflect.



5 Locate and unplug the stock Crank Position Sensor connectors.

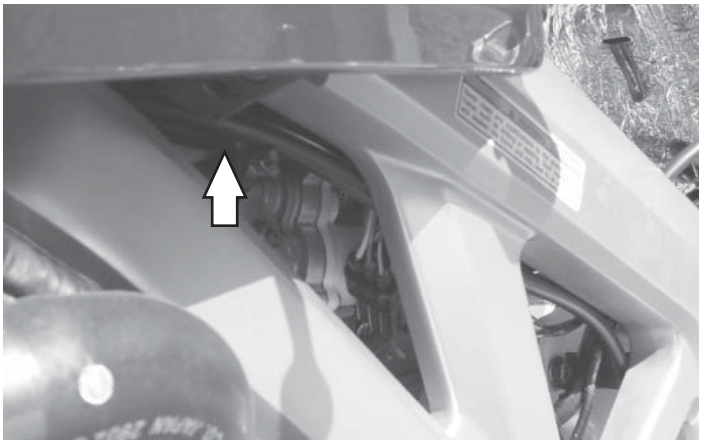
This is a BLACK 2-pin connector pair located just left of the bike's battery.

6 Plug the pair of RED 2-pin connectors on the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.

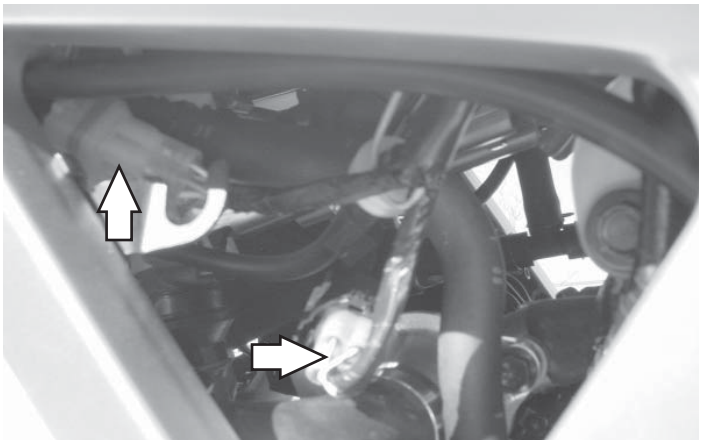
7 Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.

8 Locate and unplug the stock sub-harness connector for the bike's Fuel Injectors.

This is a BLACK 6-pin connector located to the left side of the engine, just inside of the frame rail.

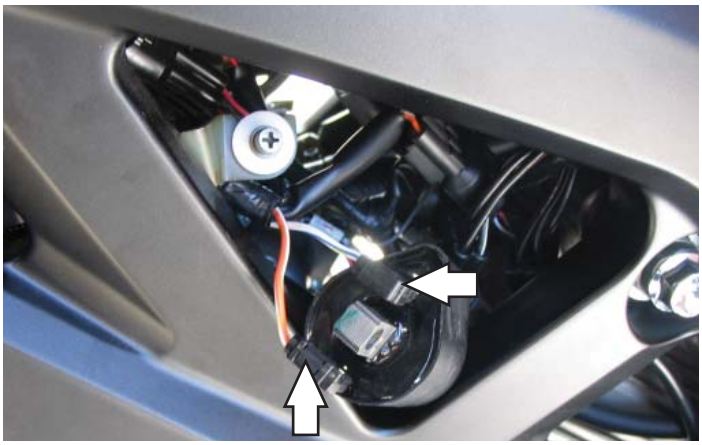


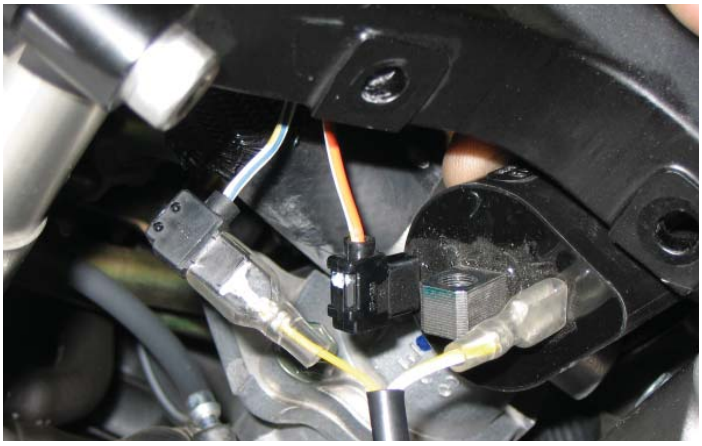
9 Plug the pair of 6-pin connectors of the PC6 wiring harness in-line of the stock Fuel Injector sub-harness connectors.



10 Route the PC6 wiring harness branch that has RED/WHITE, BLUE, and WHITE/BLUE wires with spade connectors towards the rear cylinder Ignition Coil on the left hand side of the bike.

11 Unplug both of the stock wires from this Ignition Coil.



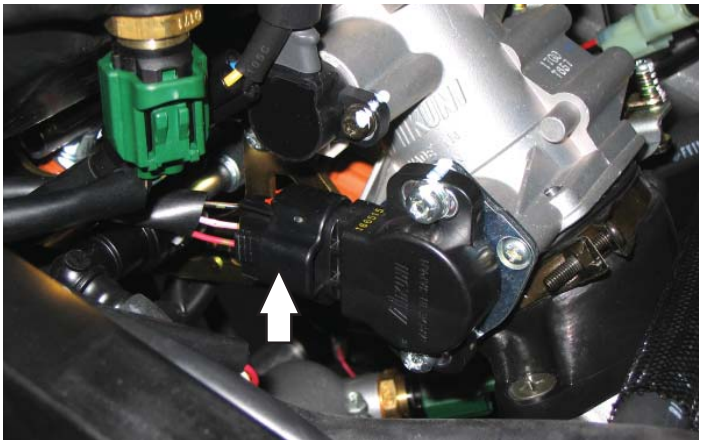


12 Plug the pair of RED/WHITE wires on the PC6 wiring harness in-line of the Ignition Coil and the stock ORANGE/WHITE wire.

13 Plug the BLUE PC6 wire directly to the stock WHITE/BLUE wire and the WHITE/BLUE PCV wire to the Ignition Coil.

Slide the insulators on these spade connections over any exposed metal.

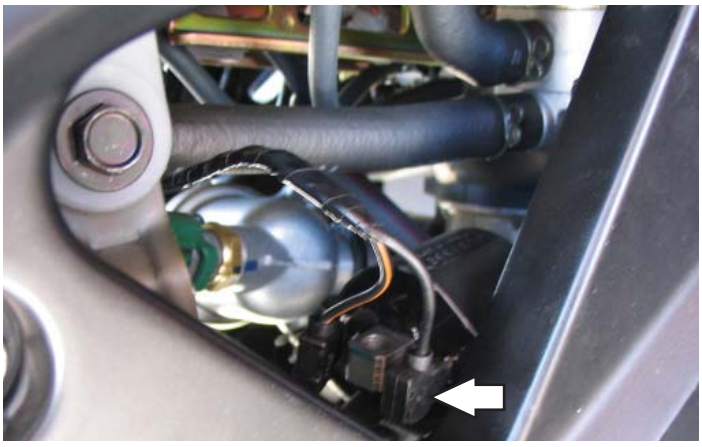
Bolt this Ignition Coil back to the frame after making the connections if it has been loosened.



14 Locate and unplug the Throttle Position Sensor.

This is a BLACK 3-pin connector. The TPS is located on the left side of the throttle body.

15 Plug the pair of 3-pin connectors on the PC6 wiring harness in-line of the Throttle Position Sensor and the stock wiring harness.



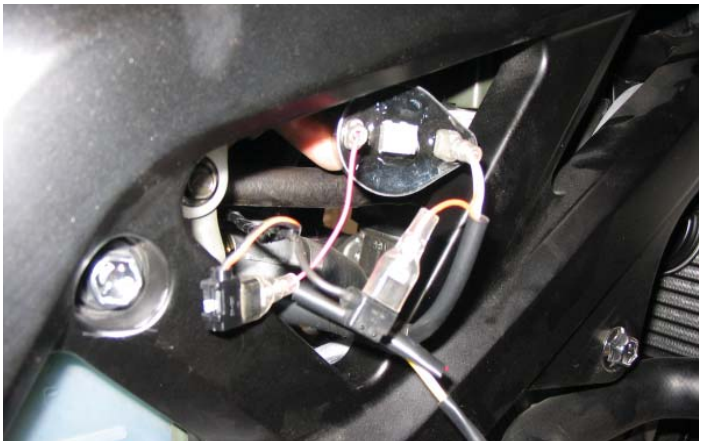
16 Locate and unplug the stock BLACK wire from the front cylinder Ignition Coil on the right hand side of the bike.

17 Plug the PC6 GREEN wire directly to the stock BLACK Ignition Coil wire.

18 Plug the PC6 WHITE/GREEN wire directly to the Ignition Coil.

Slide the insulators on these spade connections over any exposed metal.

Bolt this Ignition Coil back to the frame after making the connections if it has been loosened.



19 Using the supplied Velcro, secure the PC6 module in the tail section.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

20 Reinstall the regulator/rectifier and bracket. Lower and secure the fuel tank. Reinstall the seats.

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

PUSH THE LIMIT

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