

POWER COMMANDER 6

Install guide for: PC6-20050

Model coverage: 2017-2022 Suzuki GSX-R1000

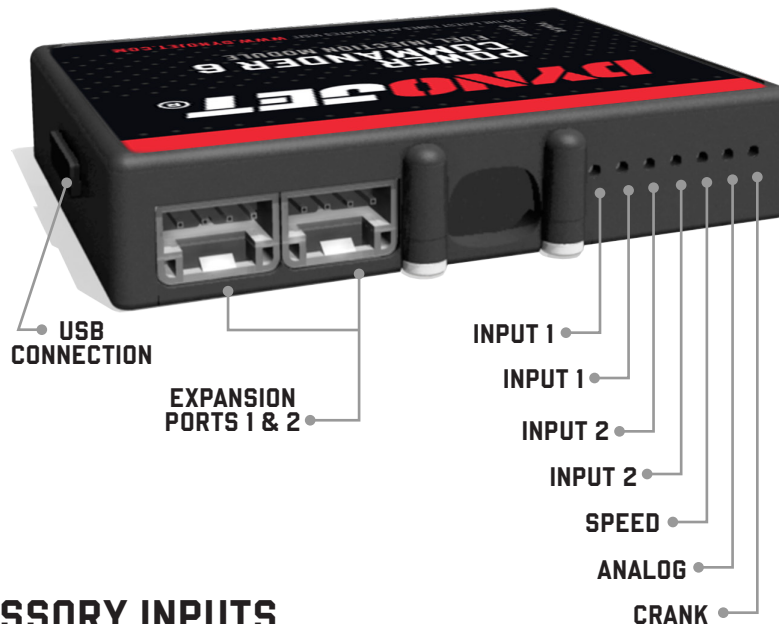
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| 2 | DYNOJET DECALS | 1 | POSI-TAP |

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



INPUT ACCESSORY GUIDE



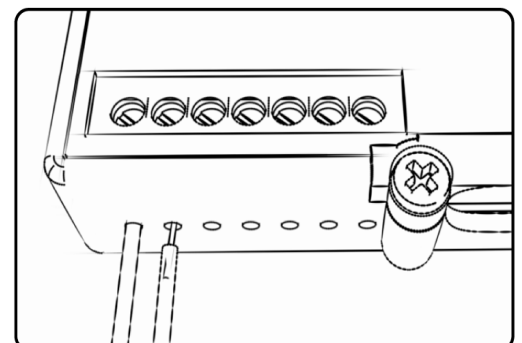
OPTIONAL ACCESSORY INPUTS

- 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 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.

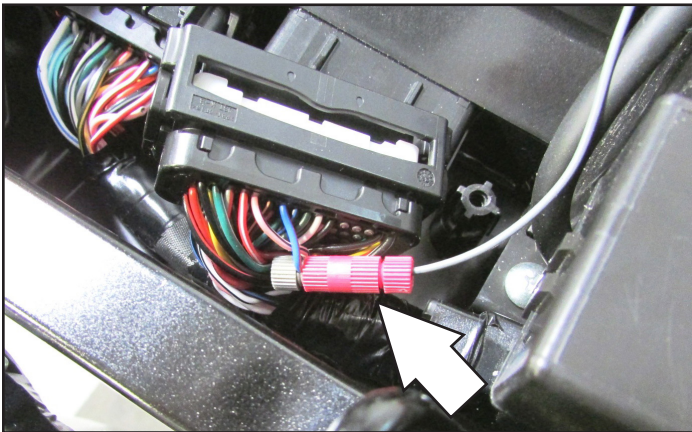
WIRE CONNECTIONS

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.

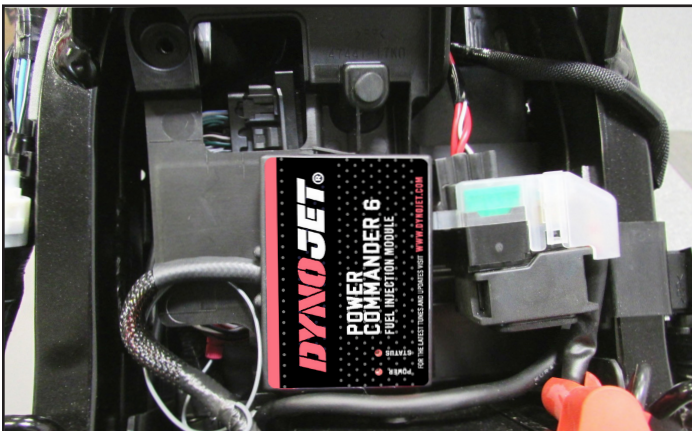
NOTE: If you tin the wires with solder it will make inserting them easier.



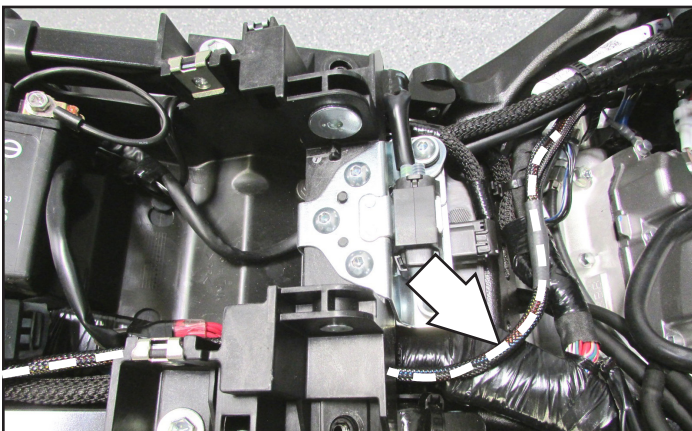
INSTALLING THE POWER COMMANDER 6



REMOVE PANELS

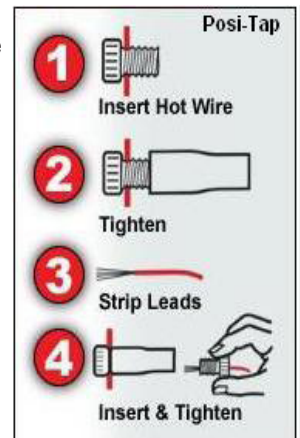


INSTALL PC6



ROUTE PC6 HARNESS

- 1 Remove the seats. Remove the bodywork around the tail section. Remove the bodywork around the fuel tank.
- 2 Remove the fuel tank.
- 3 Remove the plastic above the ECU in the tail section. Unplug the larger of the two stock ECU connectors.



- 4 Use the supplied Posi-tap to attach the PC6 GREY wire to the stock BLUE/RED wire of the stock ECU connector.
- 5 Plug the stock connector back on to the ECU. Reinstall the plastic cover for the ECU.
- 6 Use the supplied Velcro to secure the PC6 module in the tail section above the ECU.

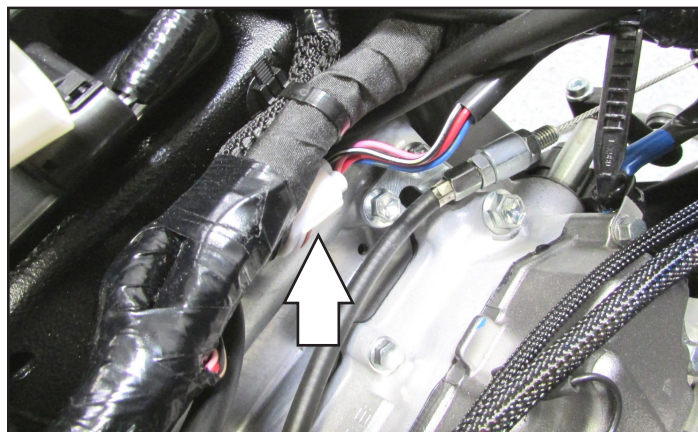
Clean surfaces with the supplied alcohol swab before attaching the Velcro.

- 7 Continue routing the wiring harness towards the engine along the right side of the tail section. Loosen any cross-members and route the PC6 wiring harness beneath them. Keep close to the stock wiring harness. Cross over to the left side of the bike just rear of the engine.

INSTALLING THE POWER COMMANDER 6

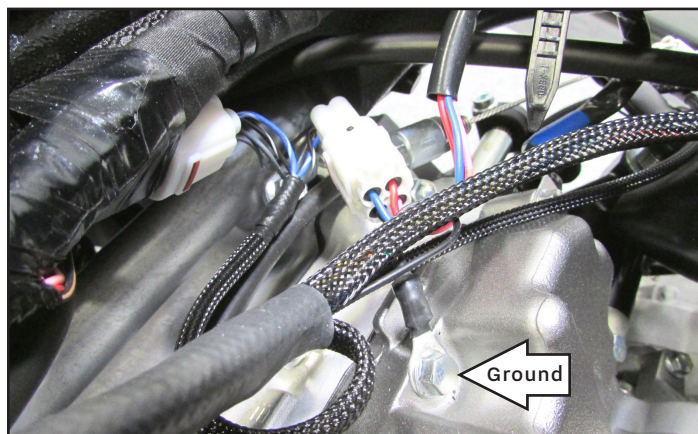
- 8 Locate and unplug the stock Gear Position Sensor connectors.

This is a WHITE 4-pin connector pair. They are taped to the stock wiring harness in the center of the bike just rear of the engine.



UNPLUG GEAR SENSOR

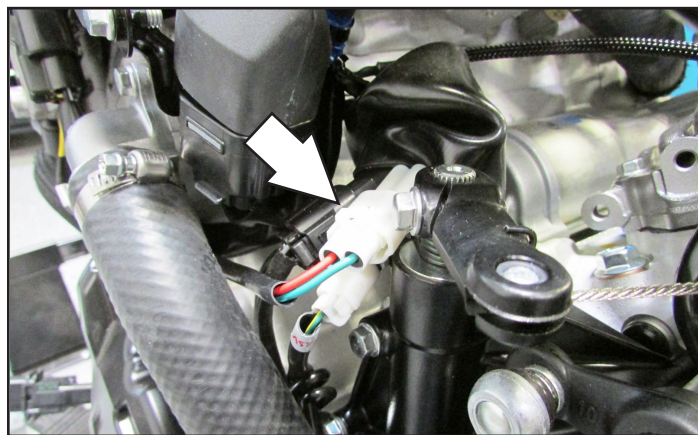
- 9 Plug the pair of 4-pin PC6 connectors in-line of the bike's stock Gear Position Sensor connectors.
- 10 Secure the PC6 ground wire with the small ring terminal to the engine case bolt.
- 11 Keep The PC6 wiring harness routing very close to the stock wiring harness in this area.



ATTACH GROUND

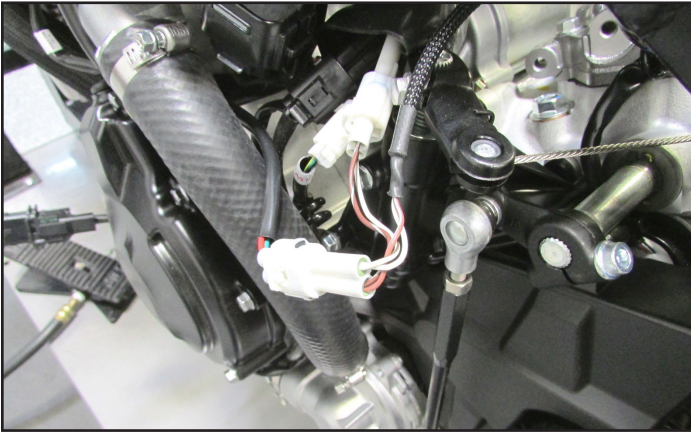
- 12 Locate and unplug the stock Crank Position Sensor connectors.

This is a WHITE 2-pin connector pair located on the left side of the bike, rear of the engine. They are stored inside a black, rubber boot.



UNPLUG CPS

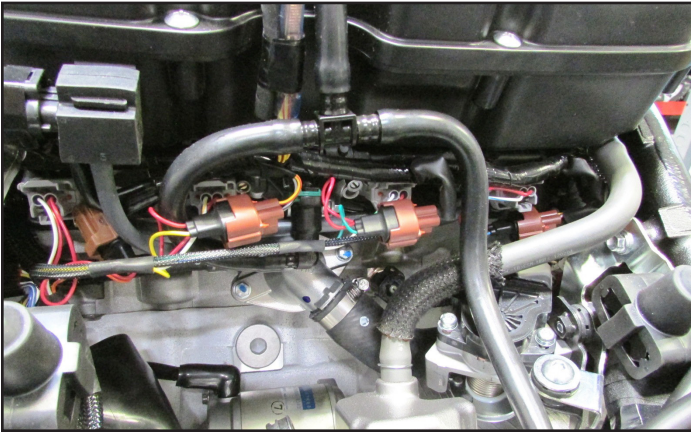
INSTALLING THE POWER COMMANDER 6



CONNECT TO CPS

- 13 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
- 14 Continue routing the PC6 wiring harness along the left side of the bike staying close to the stock wiring harness, then across the back side of the airbox.

The stock wire tie can be used to hold the PC6 wiring harness at this location.



CONNECT TO INJECTORS

- 15 Unplug all four of the lower primary Fuel Injectors.

These are the injectors located beneath the airbox with BROWN connectors.

- 16 Plug the PC6 wiring harness in-line of each lower primary fuel injector and the stock wiring harness.

ORANGE - #1 cylinder

YELLOW - #2 cylinder

GREEN - #3 cylinder

BLUE - #4 cylinder

- 17 Reinstall the fuel tank, bodywork, and seats.



PUSH THE LIMIT

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