

POWER COMMANDER 6

Install guide for: PC6-20047

Model coverage: 2016-2020 Suzuki GSX-S1000

PARTS LIST

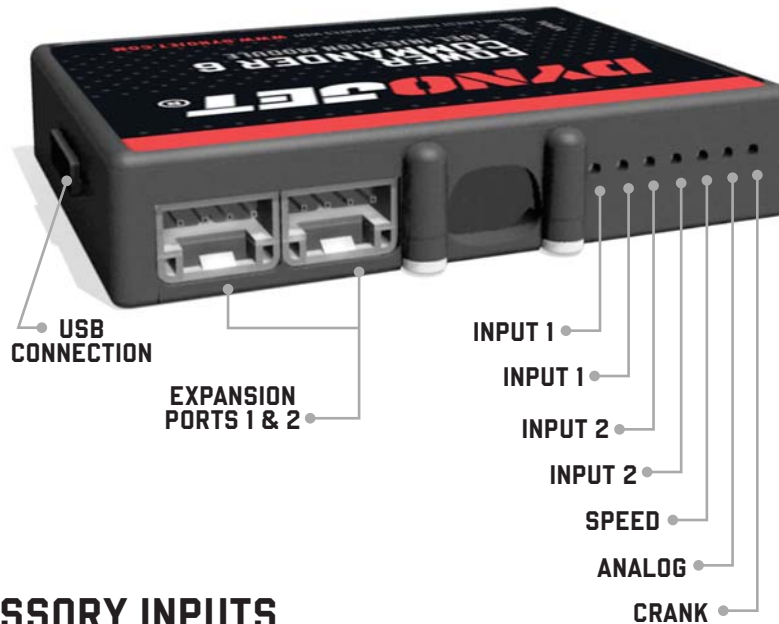


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|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6 | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

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



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.

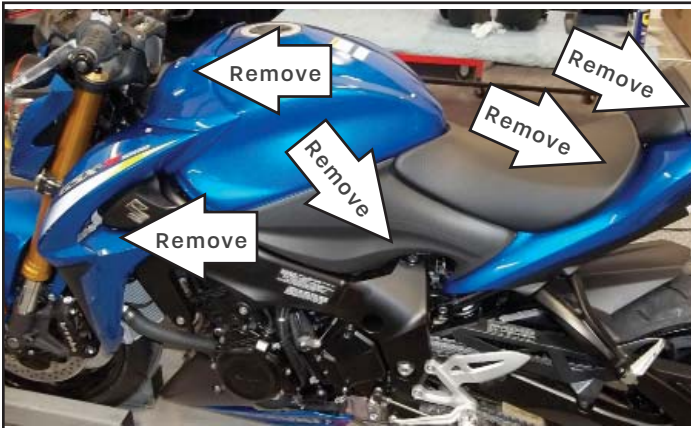
WIRE CONNECTIONS

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 BODYWORK



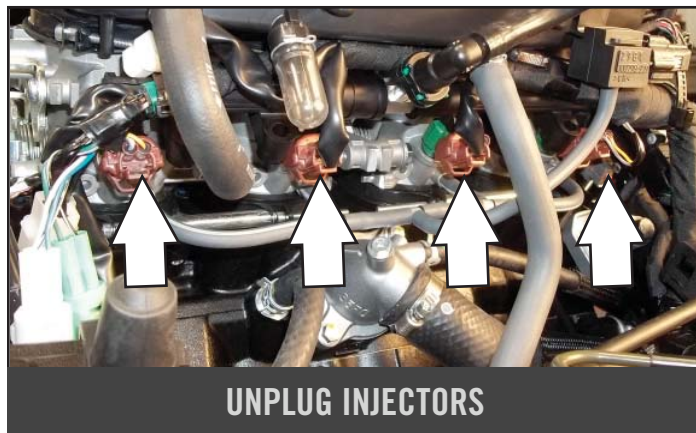
INSTALL PC6



ATTACH GROUND

- 1 Remove both seats. Remove the side panels on both sides of the bike. Remove the radiator shroud panels on both sides of the bike. Remove the panel at the front of the fuel tank and the panel over the key switch.
- 2 Remove the bike's battery.
- 3 Remove the 2 bolts at the front of the fuel tank. Lift and prop the fuel tank.
- 4 Use the supplied Velcro to secure the PC6 module in the tail section beneath the passenger seat.
Clean both surfaces with the supplied alcohol swab prior to attaching the Velcro.
- 5 Route the PC6 wiring harness forward towards the engine along the left side frame rail.
- 6 Route the wiring harness through the left side of the battery box.
- 7 Reinstall the battery. Secure the PC6 ground wire with the small ring lug to the negative (-) battery post.

- 8 Unplug all 4 of the fuel injectors.



- 9 Plug the PC6 wiring harness in-line of each fuel injector and the stock wiring harness.

PC6 WIRES:

ORANGE - cylinder #1 (left)

YELLOW - cylinder #2

GREEN - cylinder #3

BLUE - cylinder #4 (right)



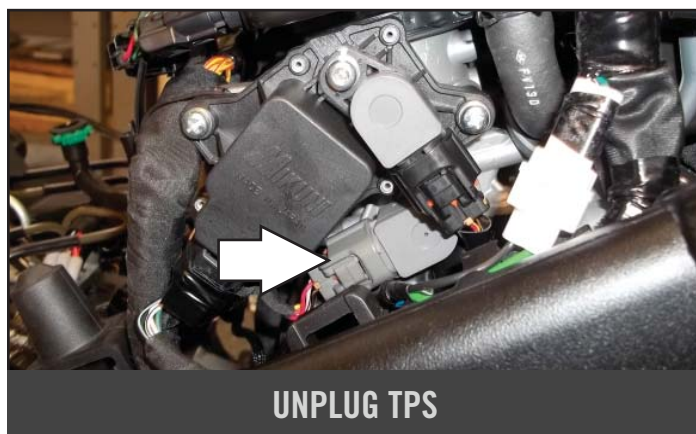
- 10 Unplug the lower primary Throttle Position Sensor connector with the GREY connector.

The TPS is located on the right side of the throttle bodies.

Do NOT unplug the upper secondary TPS connector with the BLACK connector.

- 11 Plug the pair of 3-pin PC6 connectors in-line of the TPS and the stock wiring harness.

- 12 Lower and re-secure the fuel tank. Reinstall all of the removed bodywork and the seats.




Optional Inputs:

Analog Gear - PINK wire of the Gear Position Sensor located below the countershaft sprocket

Engine Temp - BLACK/BLUE wire of coolant temp sensor located under the throttle bodies on the left side of the engine





PUSH THE LIMIT

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