

POWER COMMANDER 6

Installation Guide for: PC6-22049

Model coverage: 2007-2017 Yamaha XVS1300

YAMAHA
POWER COMMANDER 6

PARTS LIST

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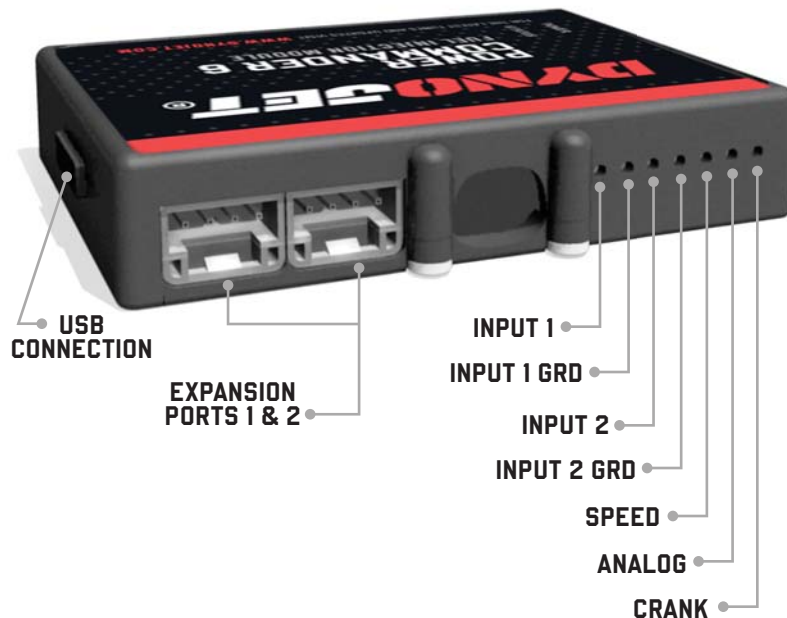
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|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6 | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | | |

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

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IPC6-22049.01

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** Not needed on Harley applications as the speed signal wire is built into the main wiring harness of the PC6.
- 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



ROUTE HARNESS

- 1 Remove the seat.
- 2 Remove the fuel tank.
- 3 Lay the PC6 near the tool kit temporarily.
- 4 Route the PC6 harness under the seat bracket and go towards the front of the bike.



UNPLUG FROM STOCK HARNESS

- 5 Locate the WHITE 4-pin connector from the throttle bodies.
This connector is located on the left hand side of the frame above the rear cylinder.
- 6 Unplug this connector.



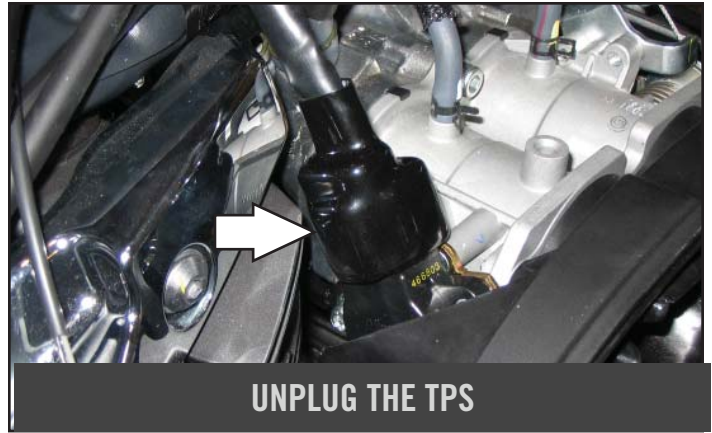
CONNECT IN-LINE

- 7 Plug the mating connectors from the PC6 harness in-line of the stock wiring harness.

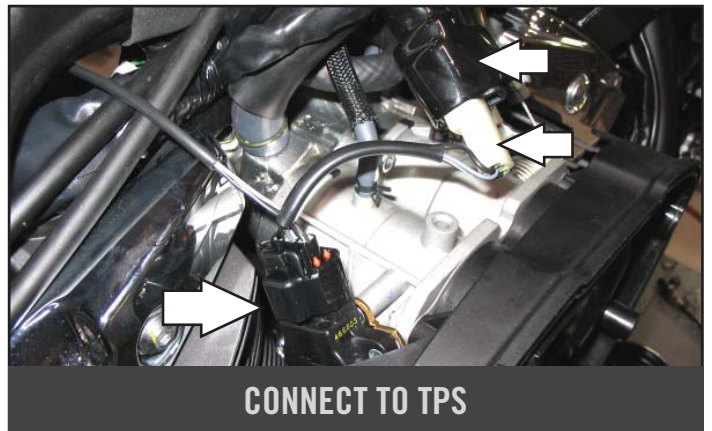
8 Route the 3-pin connectors from the PC6 harness to the right hand side of the bike going underneath the frame.

9 Locate the stock Throttle Position Sensor connector. Unplug this connector.

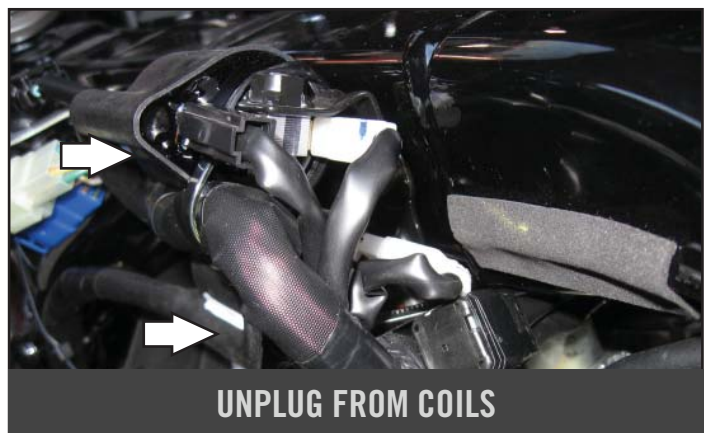
This connector is located on the right side of the bike behind the air box.



10 Plug the PC6 wiring harness in-line of the TPS and stock wiring harness.



11 Locate the ignition coils on the left side of the frame underneath the fuel tank.

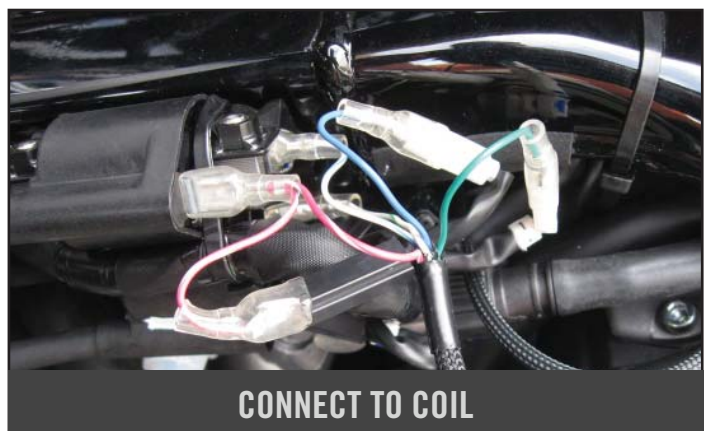


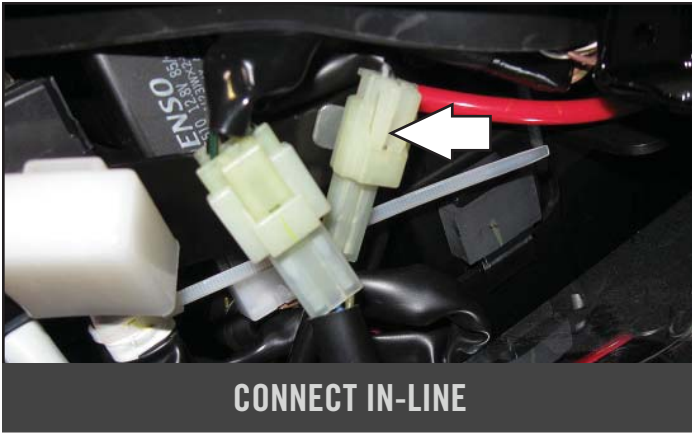
12 Connect the PC6 in-line of the stock wiring harness and each ignition coil.

PC6 RED wire goes to stock BLACK/RED

PC6 GREEN wires go to stock ORANGE

PC6 BLUE wires go to stock GREY/RED





- 13 Locate the stock Crank Sensor Position connector.
This is a CLEAR 2 pin connector located under the left hand side cover.
- 14 Plug the connectors from the PC6 in-line of this connection.



- 15 Attach the ground wire from the PC6 to the negative side of the battery.



- 16 Move the tool kit so that it lays against the rear fender.
- 17 Install the PC6 in the tool tray. Use the stock band to secure the PC6 in place.

You can secure the module here with the supplied Velcro strips, if necessary. If so, use the supplied alcohol swab to clean the surface prior to applying the Velcro.

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



PUSH THE LIMIT

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