

POWER COMMANDER 6

Installation Guide for: PC6-22048

Model coverage: 2009-2017 Yamaha XV950

YAMAHA[®]

PARTS LIST

×

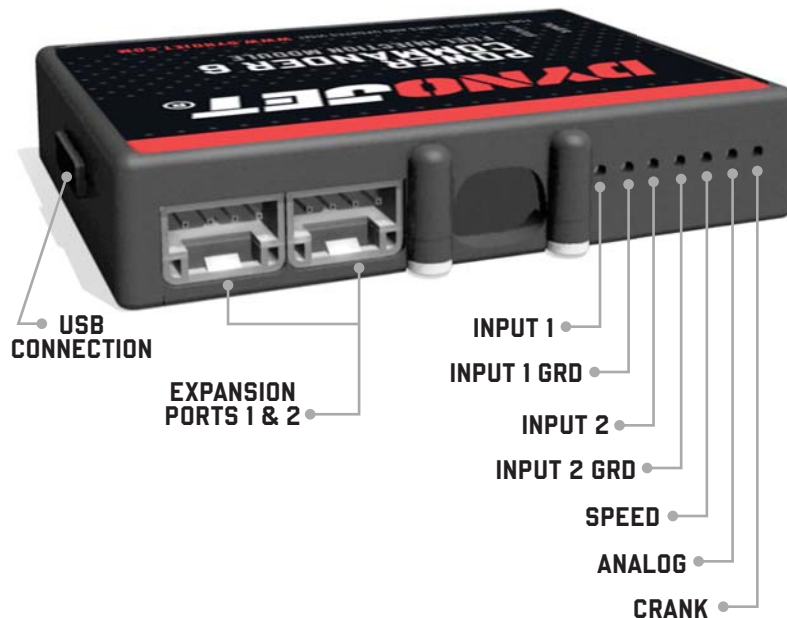
- | | |
|----------------------|--------------------------|
| 1 POWER COMMANDER 6 | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS |
| 1 USB CABLE | 1 ALCOHOL SWAB |
| 2 DYNOJET DECALS | |

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

×

IPC6-22048.01

INPUT ACCESSORY GUIDE



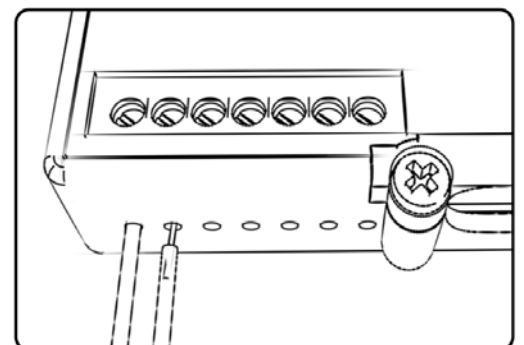
OPTIONAL ACCESSORY INPUTS

- 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



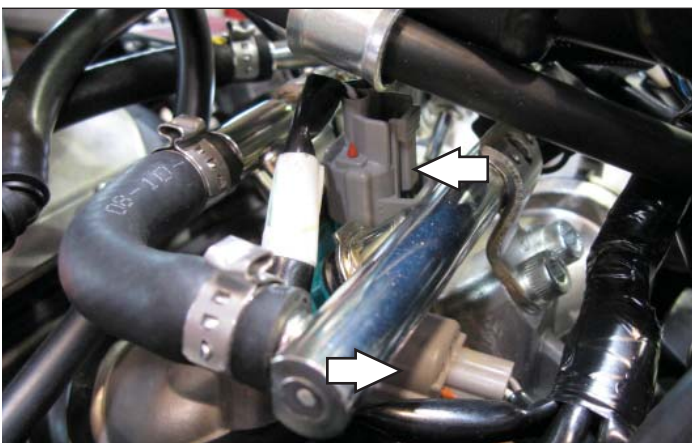
INSTALL PC6

- 1 Remove the seat.
- 2 Remove the fuel tank.
- 3 Lay the PC6 near the battery.
- 4 Route the PC6 harness under the seat bracket and go towards the front of the bike.
- 5 Attach the ground wire of the PC6 to the negative side of the battery.



ROUTE HARNESS

- 6 Route the PC6 harness along the right hand side frame tube.



UNPLUG INJECTORS

- 7 Unplug the stock wiring harness from each injector.

INSTALLING THE POWER COMMANDER 6

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

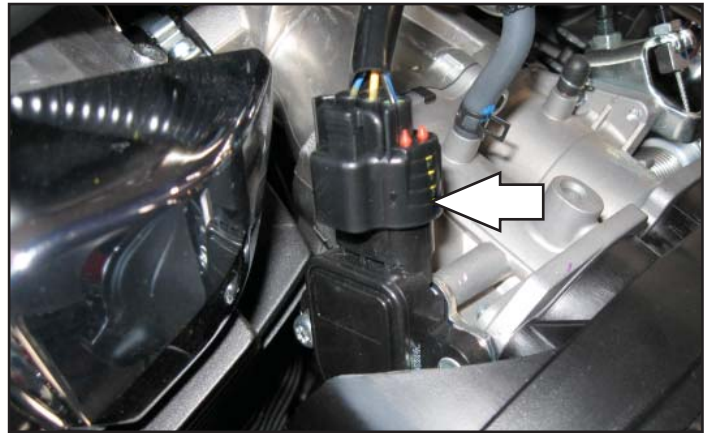
The connector pair of the PC6 wiring harness with ORANGE colored wires go to the FRONT cylinder injector.

The connector pair of the PC6 wiring harness with YELLOW colored wires go to the REAR cylinder injector.



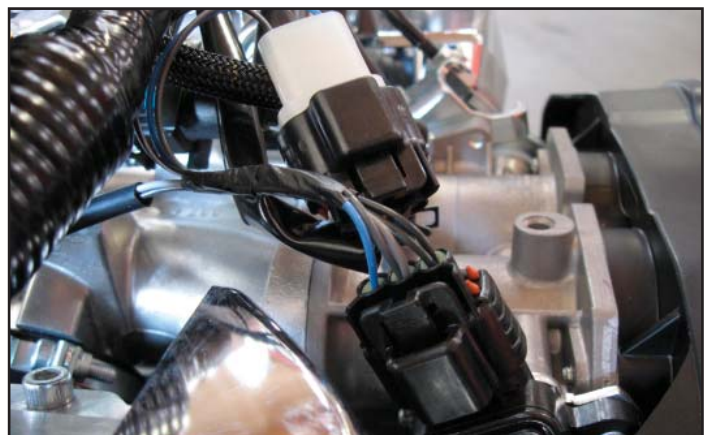
CONNECT TO INJECTORS

- 9 Locate the Throttle Position Sensor on the right hand side of the bike to the rear of the throttle body.
10 Unplug the TPS connector from the throttle body.



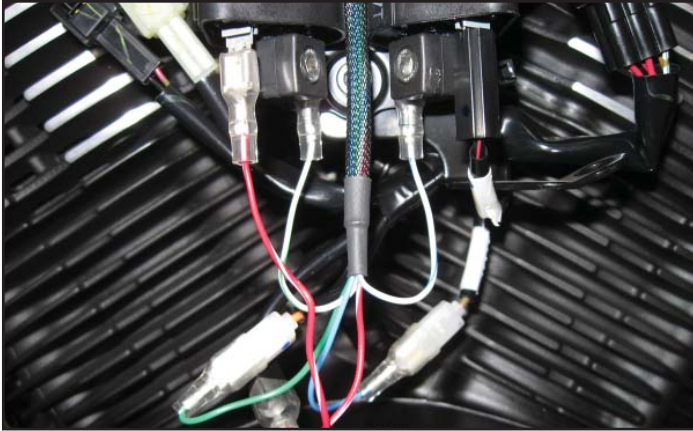
UNPLUG TPS

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



CONNECT TO TPS

INSTALLING THE POWER COMMANDER 6



CONNECT TO COILS

- 12 Locate the ignition coils on the left side of the motorcycle.

The coil is located under the chrome cover.

- 13 Plug the PC6 wires in-line of the stock wiring harness and coils.

The pair of PC6 wiring harness leads with RED colored wires should be plugged in-line of either one of the stock BLACK/RED wires and the coil.

The pair of PC6 wiring harness leads with GREEN colored wires should be plugged in-line of the stock ORANGE wire and the coil front cylinder coil.

The pair of PC6 wiring harness leads with BLUE colored wires should be plugged in-line of the stock GREY/RED wire and the coil rear cylinder coil.



ROUTE HARNESS

- 14 Locate the crank pickup coil sensor connector.

This connector is located under the left hand side cover.

- 15 Plug the connectors from the PC6 in-line of the stock wiring harness and stock sensor.

- 16 Use the supplied Velcro to secure the PC6 module to the top side of the bike's battery.

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

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

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

Optional inputs:

Speed input location - PINK wire of sensor over the front drive pulley.

12v source for Autotune - RED/WHITE wire of 6-pin connector for tail light.



UNPLUG INJECTORS



PUSH THE LIMIT

2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - DYNOJET.COM

© 2009-2022 DYNOJET RESEARCH ALL RIGHTS RESERVED