

# POWER COMMANDER 6

Installation Guide for: PC6-16017

Model coverage: 2009-2022 Honda VT750 Models

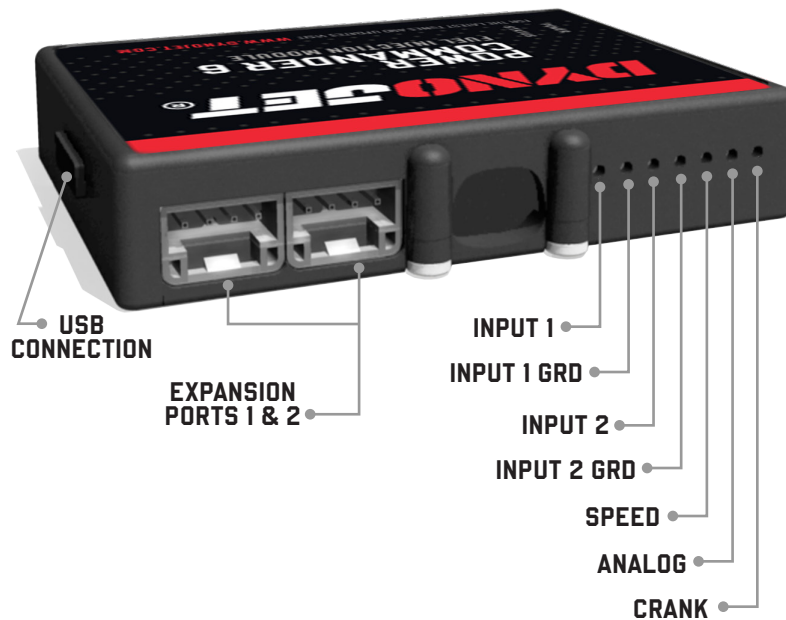
## PARTS LIST

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

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



# INPUT ACCESSORY GUIDE



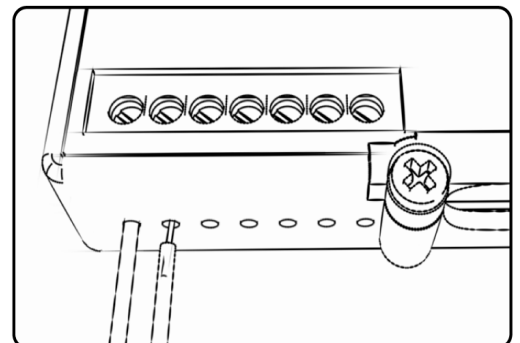
## OPTIONAL ACCESSORY INPUTS

- 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** 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.

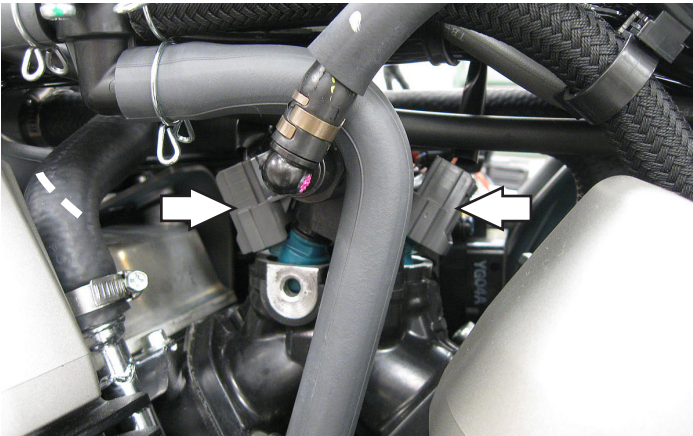
## WIRE CONNECTIONS

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.



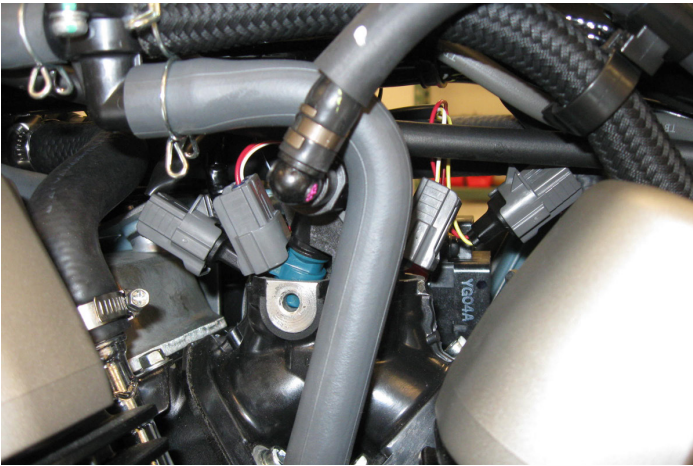
# INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat and fuel tank.

Removing the fuel tank is tricky since there is not a dry-break on the fuel line to the fuel pump. Either drain the fuel or have someone hold the fuel tank up while performing the install.

- 2 Lay the PC6 in the battery area and route the harness up the right side of the frame following the stock wiring harness.
- 3 Unplug the stock wiring harness from each injector.



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

The ORANGE colored wires from the PC6 go to the front cylinder.

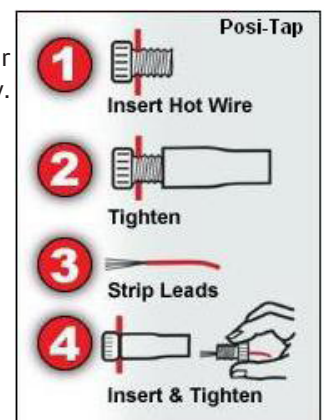
The YELLOW colored wires from the PC6 go to the rear cylinder.



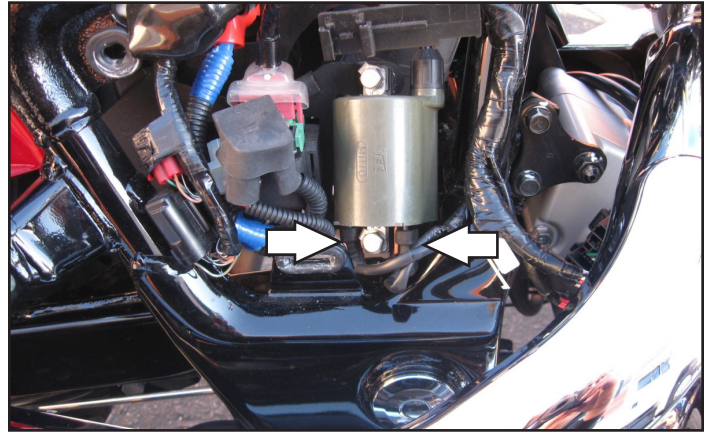
- 5 Locate the Throttle Position Sensor connector on top of the throttle body.

This is a BLACK 5-pin connector.

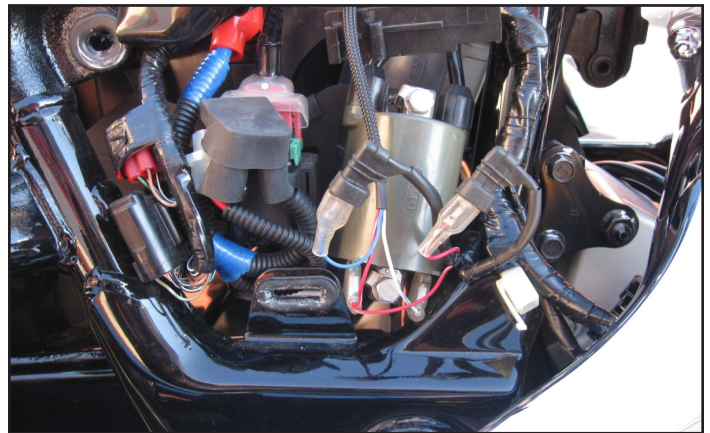
- 6 Using the supplied posi-tap secure the GREY wire from the PC6 harness to the RED/YELLOW wire.



- 7 Locate the rear ignition coil behind the right hand side cover.
- 8 Unbolt this coil so that the bottom wires can be accessed.
- 9 Unplug the BLACK/WHITE and YELLOW/BLUE wires from the coil.

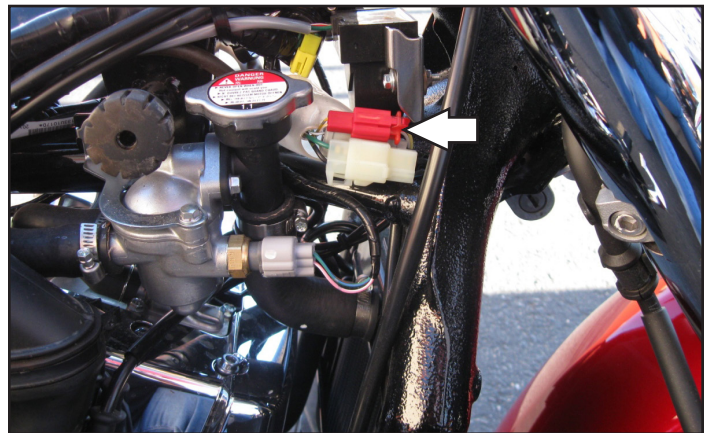


- 10 Plug the set of RED colored wires of the PC6 in-line with the BLACK/WHITE coil wire and the coil.
- 11 Plug the set of BLUE colored wires of the PC6 in-line with the YELLOW/BLUE coil wire and the coil.
- 12 Bolt the rear coil back to its mounting bracket.

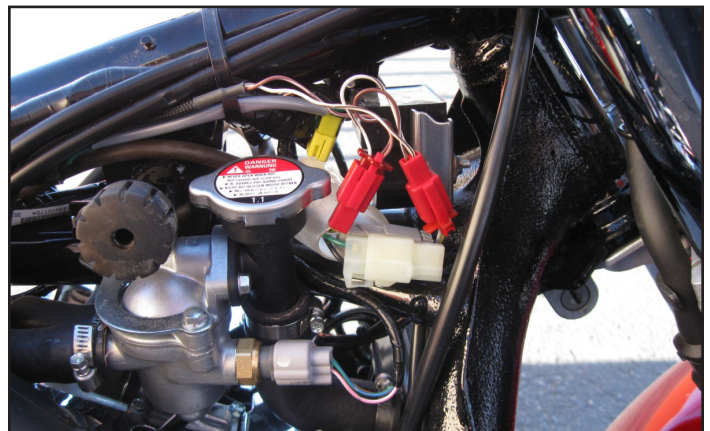


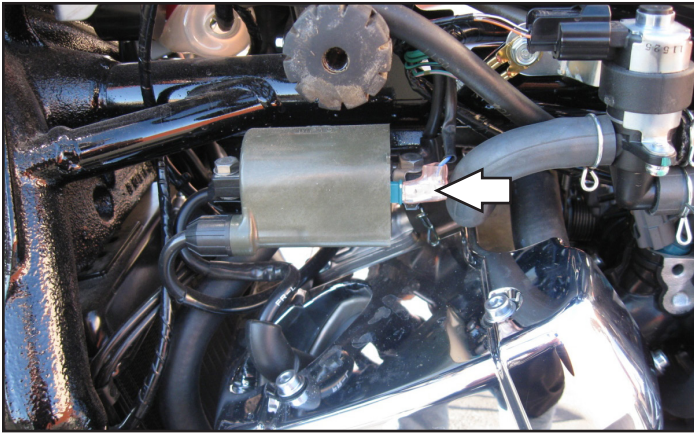
- 13 Locate and unplug the Crank Position Sensor connectors on the right hand side of the bike, up by the steering stem.

This is the set of RED, 2-pin connectors.

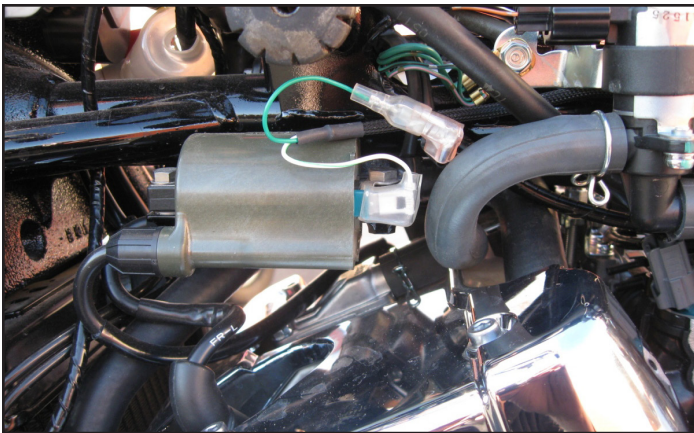


- 14 Plug the set of RED, 2-pin connectors of the PC6 wiring harness in-line with the bike's Crank Position Sensor connectors.

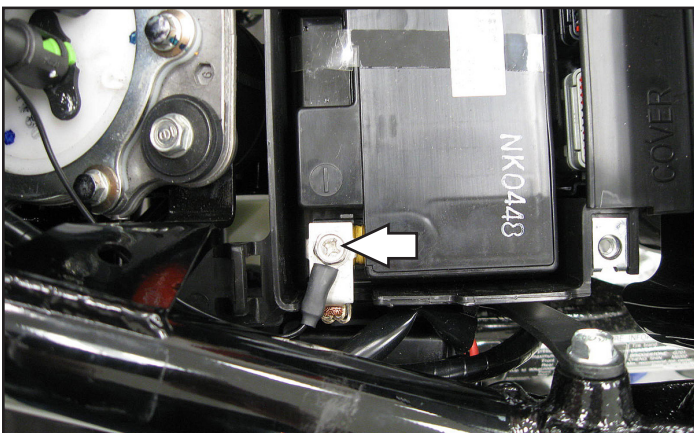




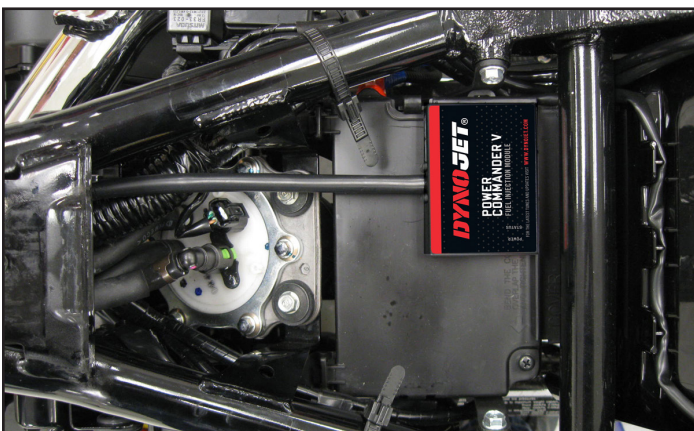
- 15 Locate the front ignition coil on the left hand side of the bike above the front cylinder head.
- 16 Unplug the BLUE/YELLOW wire from the coil.



- 17 Plug the set of GREEN colored wires of the PC6 in-line with the BLUE/YELLOW wire and the coil.



- 18 Remove the battery tray lid.
- 19 Attach the ground wire from the PC6 to the negative side of the battery.
- 20 Reinstall battery tray lid making sure it does not pinch the ground wire.



- 21 Using the supplied Velcro, secure the PC6 to the top of the battery tray lid.

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

- 22 Reinstall fuel tank and seat.

Download the latest map files from our web site at [dynojet.com/tunes](http://dynojet.com/tunes).

# **PUSH THE LIMIT**

**2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - DYNOJET.COM**  
**© 2009-2022 DYNOJET RESEARCH ALL RIGHTS RESERVED**