

POWER COMMANDER 6

Installation Guide for: PC6-22050

Model coverage:

2008-2014 Yamaha XV1700 Road Star

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 | |

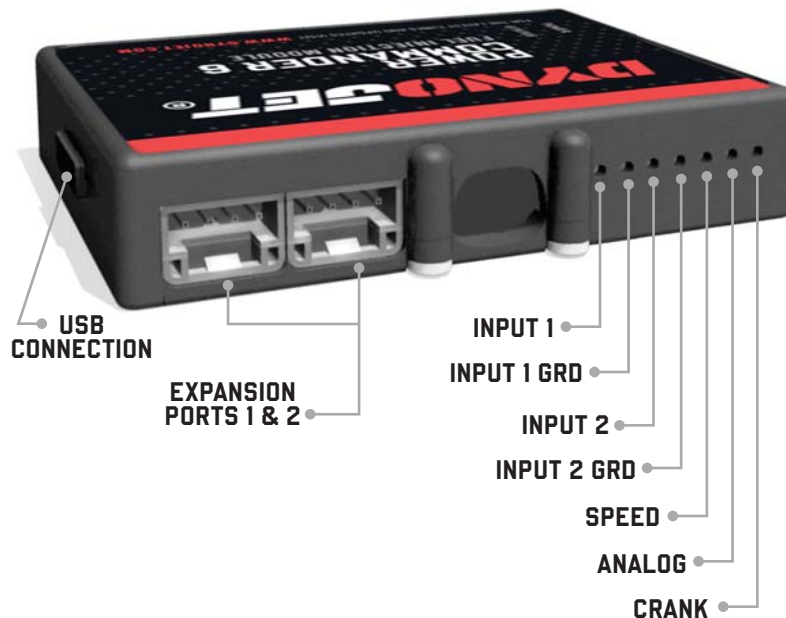
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-22050.01



INPUT ACCESSORY GUIDE



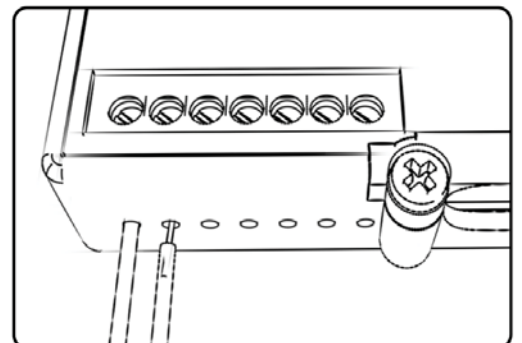
OPTIONAL ACCESSORY INPUTS

- 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



REMOVE COVER

- 1 Remove the seat.
- 2 Remove the fuel tank.
- 3 Remove the right hand side air box.
- 4 Remove the left hand side cover.



ROUTE HARNESS

- 5 Lay the PC6 under the left hand side cover next to the fuse box.
- 6 Route the PC6 harness behind the left hand frame tube and follow the main wiring harness towards the front of the bike.

Use the stock wire tie to secure the PC6 harness in place.



UNPLUG STOCK HARNESS

- 7 Locate the clear 6-pin connector under the main frame spar.

Unplug this connector.

- 8 Plug the connectors from the PC6 in-line of the stock wiring harness and the throttle bodies.

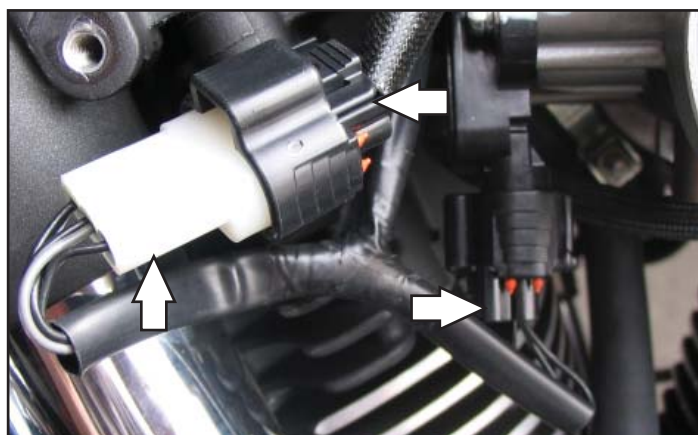


- 9 Locate the stock Throttle Position Sensor connector. This connector is on the right side of the bike to the rear of the throttle body.

- 10 Unplug this connector.



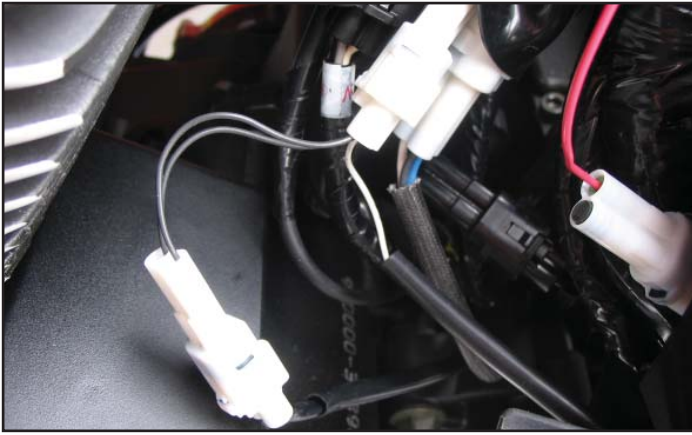
- 11 Plug the connectors from the PC6 in-line of the stock TPS and stock wiring harness.



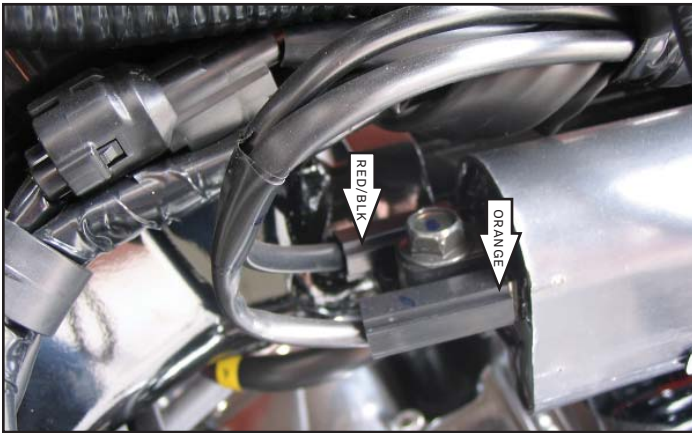
- 12 Locate the crank pickup coil connector. Unplug connector.

This connector is a WHITE 2-pin connector with a GREY wire and a LIGHT GREY wire. It is located under the left hand side cover.





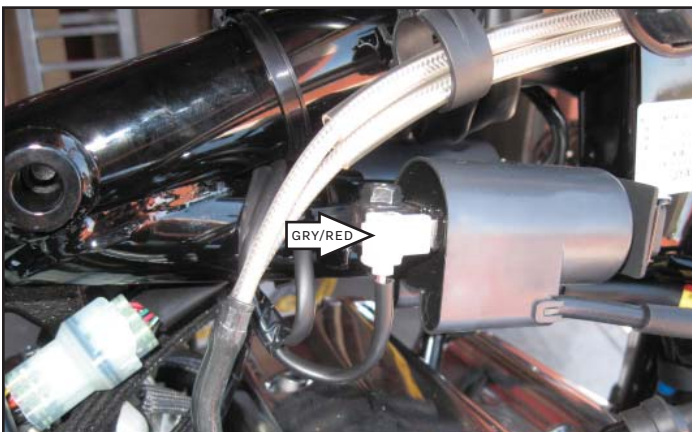
- 13 Plug the PC6 connectors in-line of the stock crank sensor connector and stock wiring harness.



- 14 Locate the ignition coil for the rear cylinder on the left side of the frame.
- 15 Unplug the ORANGE wire of the stock wiring harness from the ignition coil.
- 16 Unplug the RED/BLACK wire of the stock wiring harness from the ignition coil.



- 17 Plug the pair of BLUE colored wires of the PC6 in-line of the stock ignition coil and stock ORANGE wire.
- 18 Plug the pair of RED colored wires of the PC6 in-line of the stock ignition coil and the stock RED/BLACK wire.

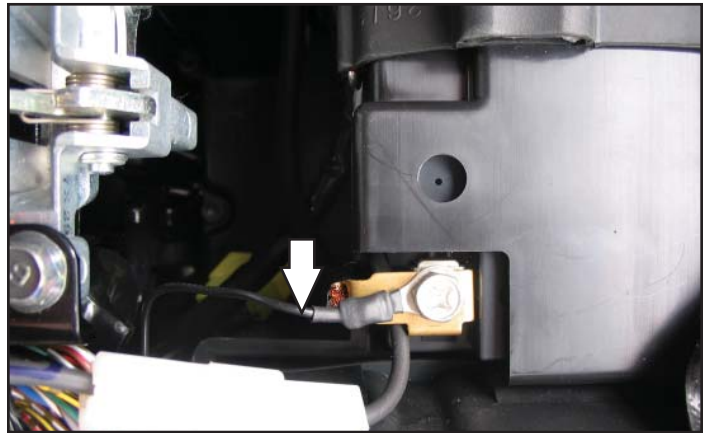


- 19 Locate the ignition coil for the front cylinder on the right side of the frame.
- 20 Unplug the GREY/RED wire from the ignition coil.

- 21 Plug the pair of GREEN colored wires from the PC6 in-line of the ignition coil and the stock GREY/RED wire.



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



- 23 Using the supplied Velcro, secure the PC6 under the left hand side cover.

Make sure to use the supplied alcohol swab to clean both surfaces before attaching the Velcro.

- 24 Reassemble the bike.



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

Optional Inputs:

Speed - WHITE wire of WHITE 3-pin connector behind the left side cover (WHT-BLU-BLK).

12v Source for Autotune - BLUE wire in 6-pin connector for tail light. Under seat to the left of the tool kit.



**PUSH
THE
LIMIT**

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