

# POWER COMMANDER 6

Installation Guide for: PC6-22012

Model coverage:

2006-2014 Yamaha XV1900 Stratoliner

2006-2014 Yamaha XV1900 Roadliner

## PARTS LIST

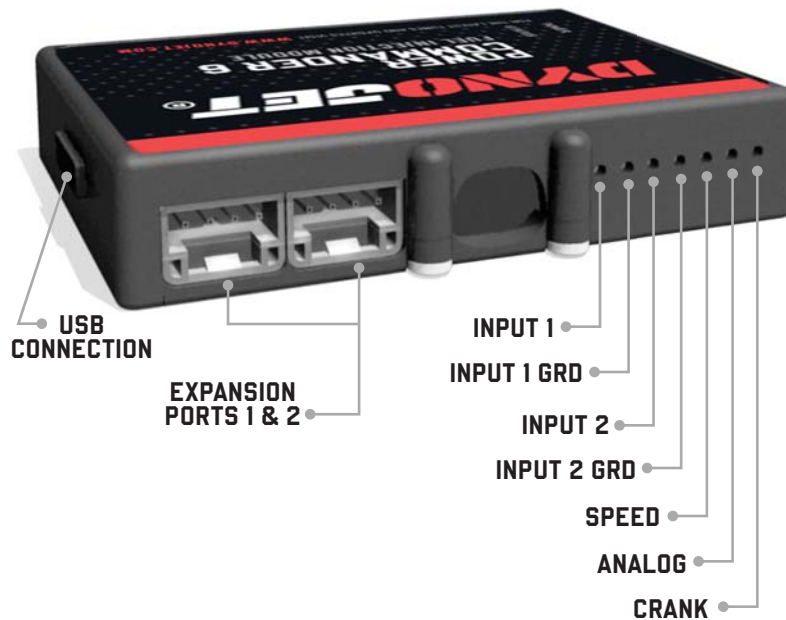


- |   |                    |   |                        |
|---|--------------------|---|------------------------|
| 1 | POWER COMMANDER 6  | 2 | POWER COMMANDER DECALS |
| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS          |
| 1 | USB CABLE          | 1 | ALCOHOL SWAB           |
| 2 | DYNOJET DECALS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

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



# INPUT ACCESSORY GUIDE



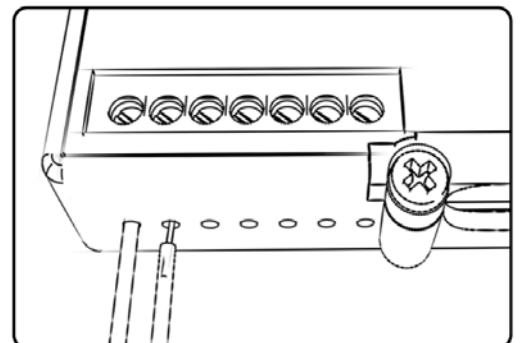
## OPTIONAL ACCESSORY INPUTS

- 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 right hand cosmetic engine cover.  
*There is a bolt at the front and rear of this cover.*



ROUTE HARNESS

- 3 Lay the PC6 in the area of the ECU.
- 4 Route the PC6 harness underneath the seat latch plate and under the right hand side of the frame.



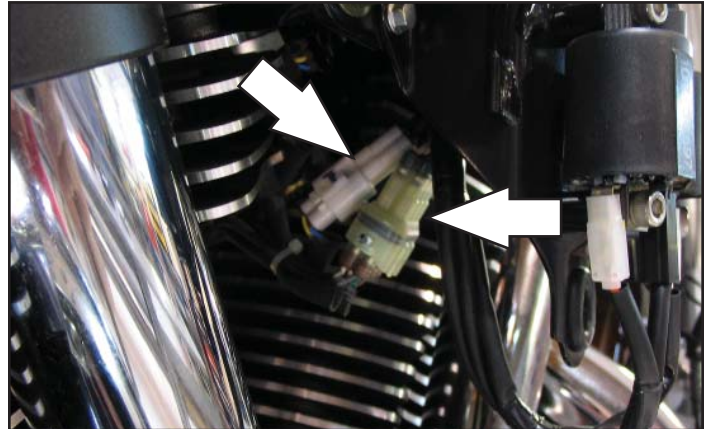
ROUTE PC6 HARNESS

- 5 Route the PC6 harness above the cylinder head following the frame. Route the PC6 harness behind the engine mount bracket.

# INSTALLING THE POWER COMMANDER 6

- 6 Unplug the WHITE 3-pin connector and the CLEAR 6-pin connector.

*These connectors are located behind the ignition coils and lead to the throttle bodies.*



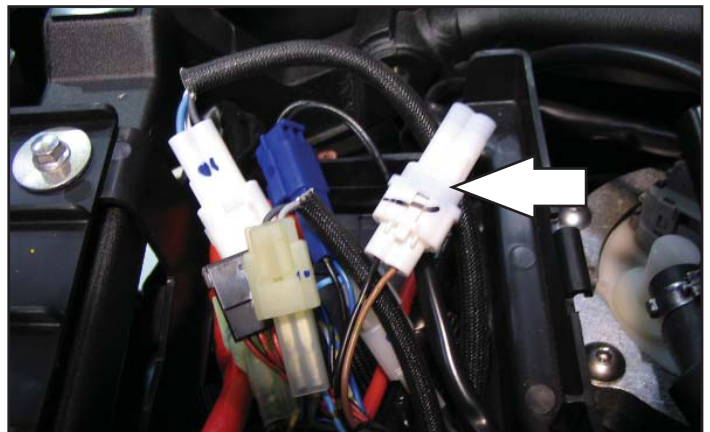
UNPLUG STOCK HARNESS

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



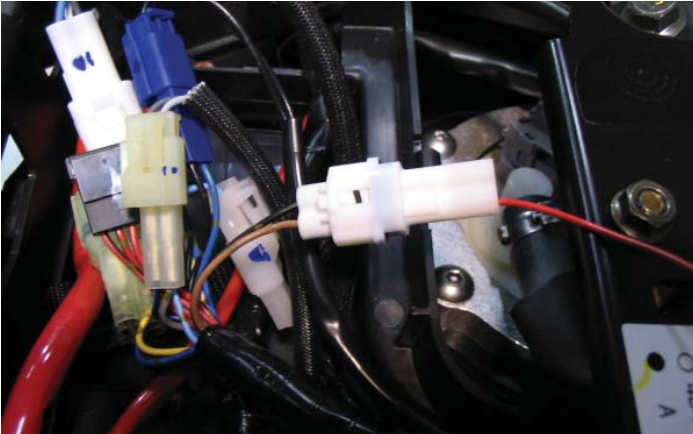
CONNECT IN-LINE

- 8 Remove the strap from the ECU and move the ECU out of the way to access the wires underneath.
- 9 Locate the WHITE 2-pin connector that has a BROWN and a BLACK wire. Remove the blank end of this connection.



REMOVE CAP

# INSTALLING THE POWER COMMANDER 6



CONNECT TO POWER

- 10 Plug the RED wire from the PC6 to the stock wiring harness.
- 11 Reinstall the ECU back into its stock position.



CONNECT TO GROUND

- 12 Locate the stock ground. Follow the negative battery cable to the frame. Remove the allen bolt that secures the ground cable to the frame. Reinstall the allen bolt thru the stock ground cable, then thru the ground wire for the PC6 into the frame.



INSTALL PC6


- 13 Use the supplied velcro to attach the PC6 on top of the ECU.

*Make sure to clean both surfaces with the alcohol swab first.*

- 14 Reinstall the covers and the seat.

## Optional inputs:

**Speed input - WHITE wire of WHITE 3-pin connector under ECU. Colors of the wires in this connector are WHITE/BLUE/BLACK.**



**PUSH  
THE  
LIMIT**

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