

POWER COMMANDER 6

Installation Guide for: PC6-22086

Model coverage:

2018-2021 Yamaha XV1900 Eluder

2018-2021 Yamaha XV1900 Venture

PARTS LIST



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| 1 | USB CABLE | 1 | ALCOHOL SWAB |
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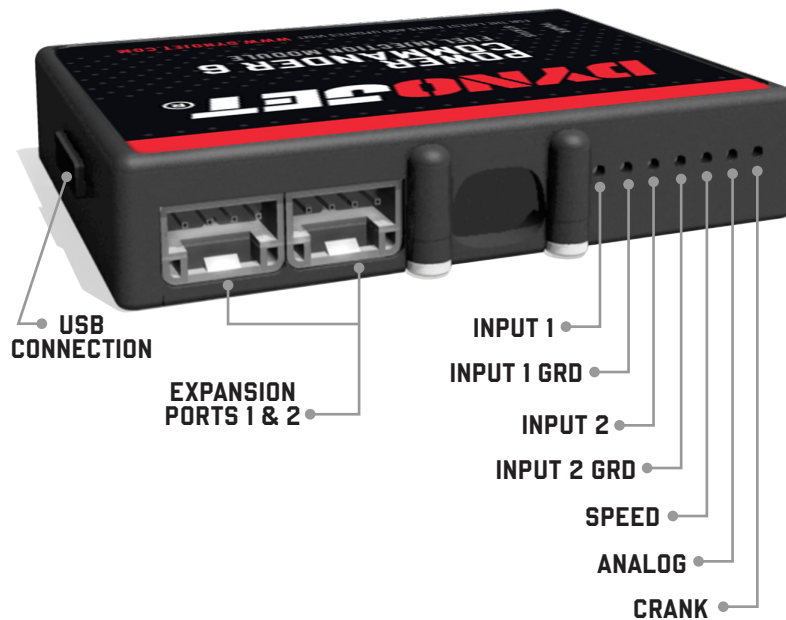
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-22086.01



INPUT ACCESSORY GUIDE



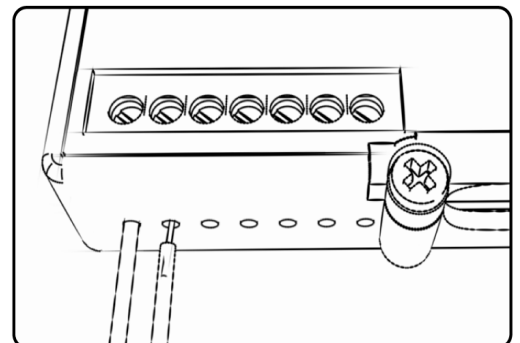
OPTIONAL ACCESSORY INPUTS

- 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.

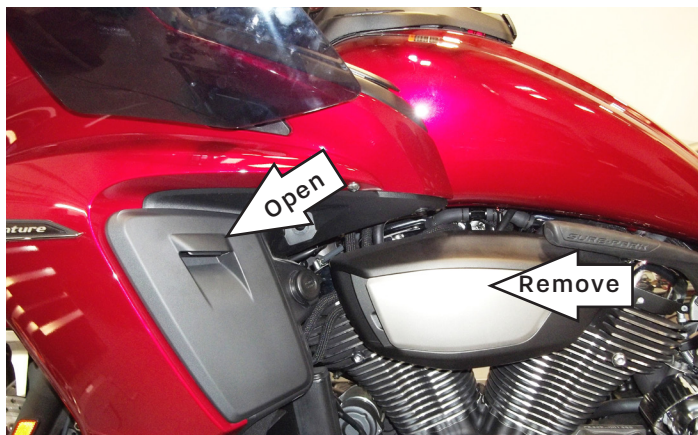
WIRE CONNECTIONS

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.

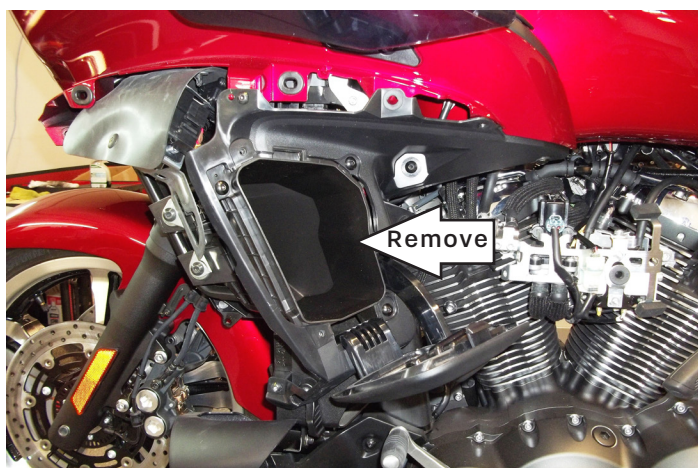
NOTE: If you tin the wires with solder it will make inserting them easier.



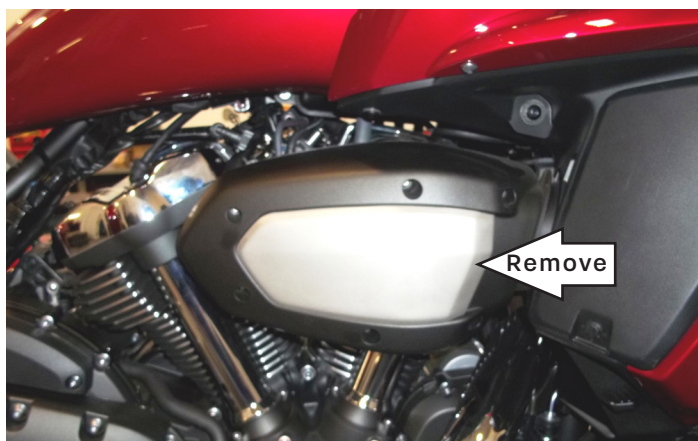
INSTALLING THE POWER COMMANDER 6



- 1 Remove the seat and side covers.
- 2 Remove the cosmetic cover from the left side of the engine.
- 3 Open the door for the compartment in the left side mid-fairing.

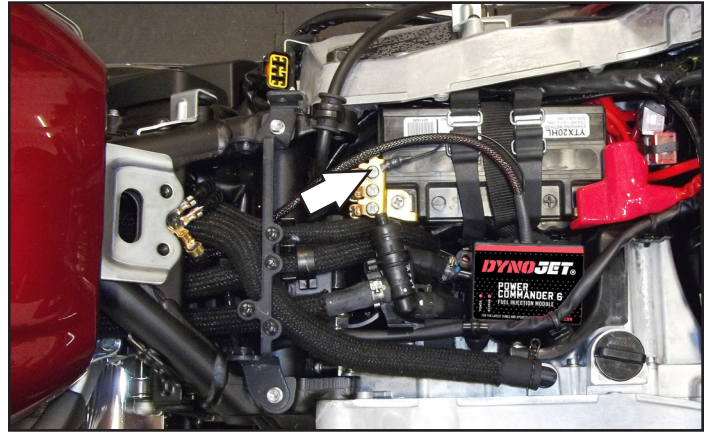


- 4 Remove the painted outer panel of the left side mid-fairing.
- 5 Remove the compartment inside of the left mid-fairing.



- 6 Remove the entire airbox (cover, filter, and back plate) from the right side of the engine.
- 7 Remove the two bolts at the rear of the fuel tank. Lift and prop the rear of the fuel tank a few inches with a block of wood (or something similar).

- 8 Secure the PC6 module under the seat near the battery using the supplied Velcro. Clean surfaces with the supplied alcohol swab before attaching the Velcro.
- 9 Route the PC6 wiring harness beneath the fuel tank and towards the top of the engine.
- 10 Secure the PC6 ground wire with the small ring lug to the common ground plate at the negative terminal of the battery.



- 11 From the right side of the engine, locate and unplug the front cylinder fuel injector.

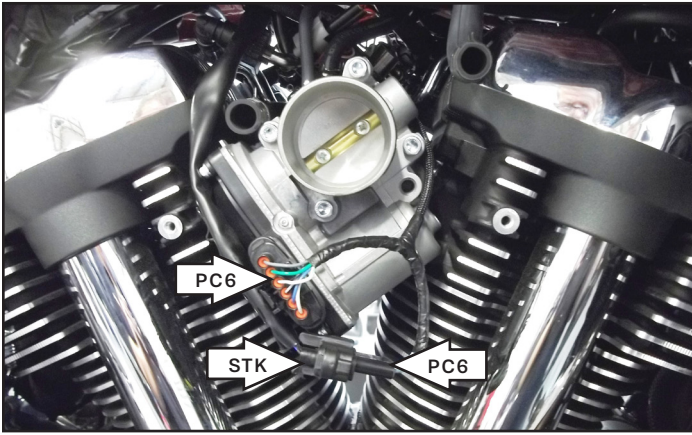


- 12 Plug the pair of PC6 connectors with ORANGE colored wires in-line of the front cylinder fuel injector and the stock wiring harness.



- 13 Unplug the throttle body servo connector from the throttle body.





- 14 Plug the PC6 wiring harness in-line of the throttle body and the stock wiring harness.



- 15 From the left side of the engine, locate and unplug the rear cylinder fuel injector.



- 16 Plug the pair of PC6 connectors with YELLOW colored wires in-line of the rear cylinder fuel injector and the stock wiring harness.
- 17 Route the last remaining pair of connectors towards the left side of the front cylinder.



- 18 Locate and unplug the stock Crank Position Sensor connectors
- This is a BLACK 2-pin connector pair with a LIGHT GREY and a DARK GREY wire. They are inside of a black rubber boot located left of the front cylinder head.*

- 19 Plug the PC6 wiring harness in-line of the stock Crank Position Sensor connectors.
- 20 Reinstall the removed bodywork, the airbox, side covers, and the seat.

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





PUSH THE LIMIT

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