

# POWER COMMANDER 6

Installation Guide for: PC6-15026

Model Coverage: 2002-2007 Harley Davidson V-Rod Models

**POWER COMMANDER 6**

## PARTS LIST

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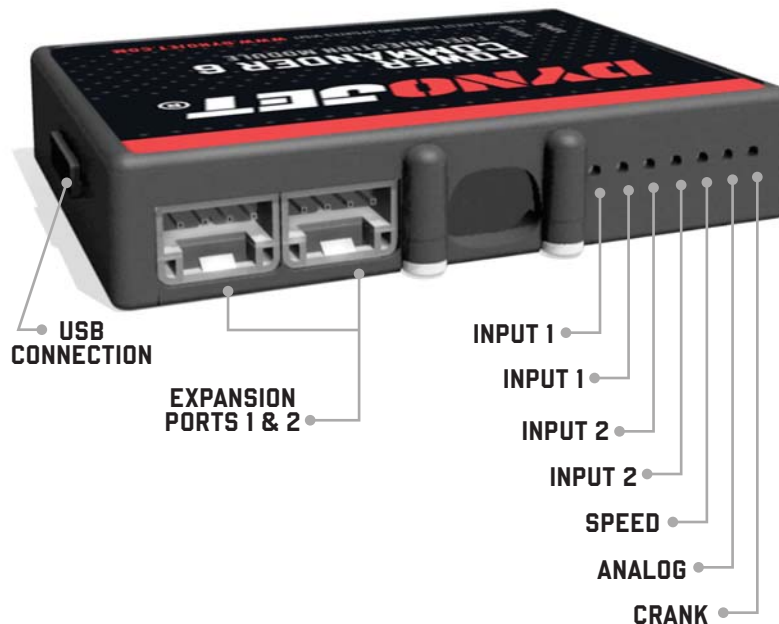
- |                      |                          |
|----------------------|--------------------------|
| 1 POWER COMMANDER 6  | 2 POWER COMMANDER DECALS |
| 1 INSTALLATION GUIDE | 2 VELCRO STRIPS          |
| 1 USB CABLE          | 1 ALCOHOL SWAB           |
| 2 DYNOJET DECALS     | 1 ZIP TIE    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

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

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IPC6-15026.01

# 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** If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quick shifter.
- 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.

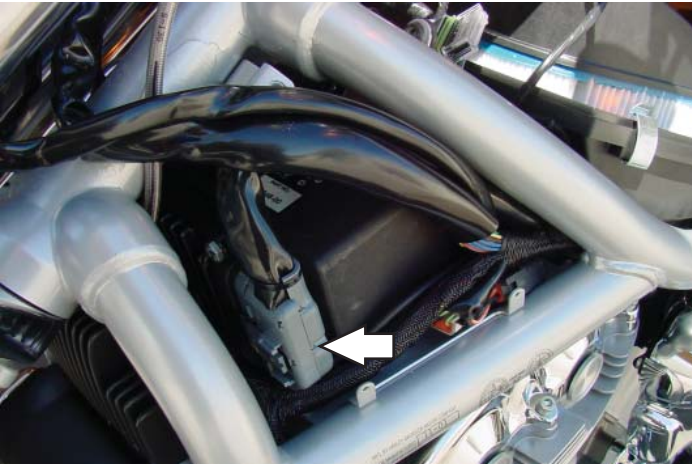


# INSTALLING THE POWER COMMANDER 6



## USE THE FOLLOWING INSTRUCTIONS WHEN INSTALLING 2002-2006 MODELS

- 1 Remove the seat, air box shell, and air box cover.
- 2 Remove the left hand side cover by removing the 5mm allen bolt.



- 3 Unplug the stock wiring harness from the ECM.

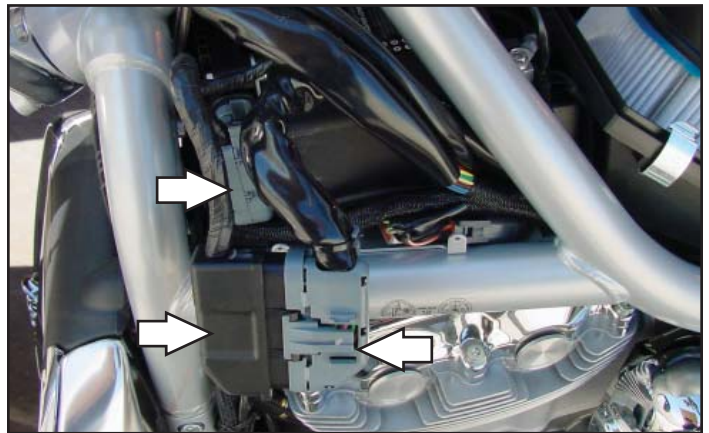


- 4 Route the PC6 wiring harness under the frame rail and go towards the location of the ECM.

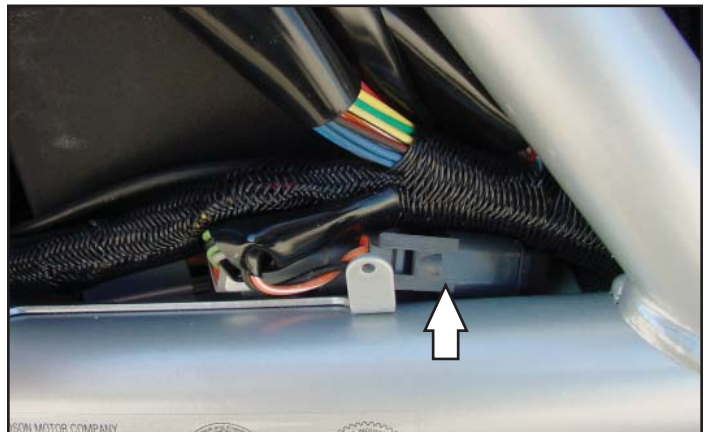
- 5 Route the PC6 wiring harness behind the stock wires.



- 6 Plug the connectors from the PC6 wiring harness in-line of the stock wiring harness and the ECM.



- 7 Tuck the two stock connectors into the lower right corner of the frame opening.



- 8 Place the connectors and wires as shown.

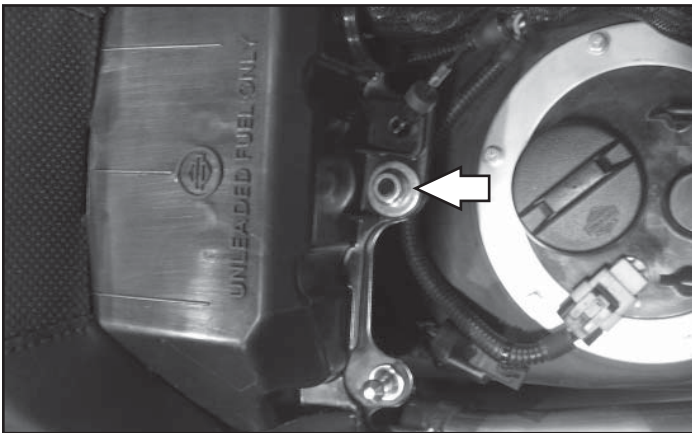
The cover will not fit back into place unless the connectors are laid out exactly as shown. For additional information on this placement, see the V-Rod installation video on our website [www.dynojet.com](http://www.dynojet.com).





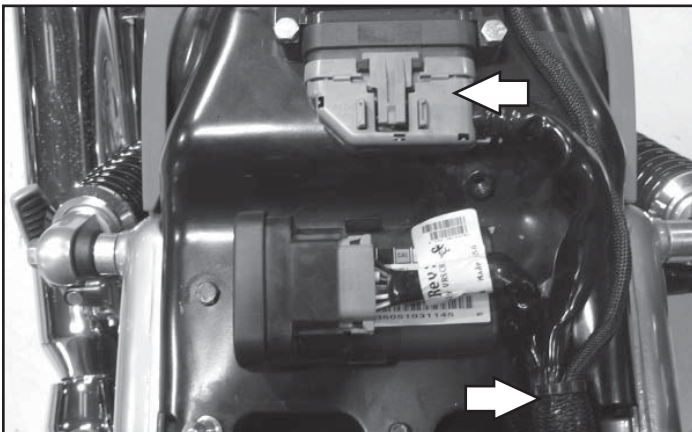
- 9 Install the PC6 module between the battery and the air box.
- 11 Reinstall the seat, air box shell, air box cover, and the left hand side cover.

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

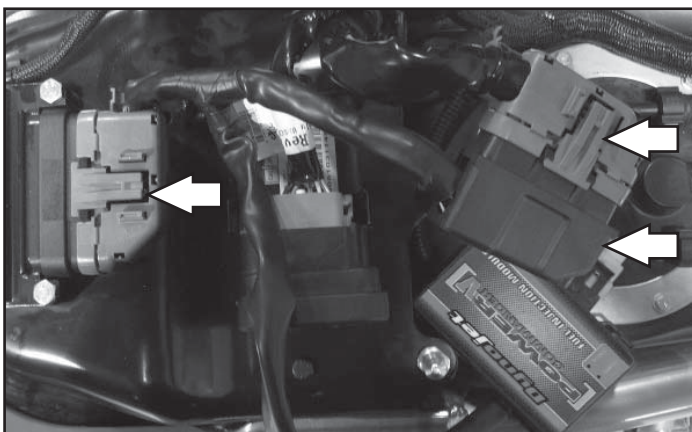


**USE THE FOLLOWING INSTRUCTIONS WHEN INSTALLING 2005-2006 STREET ROD MODELS**

- 1 Remove the passenger seat by removing the nut.
- 2 Remove the cosmetic air box cover.

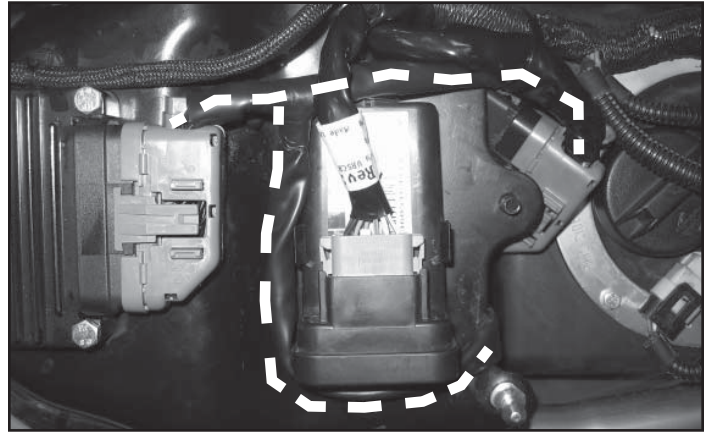


- 3 Unplug the stock wiring harness from the ECM.
- 4 Cut the zip-tie shown.



- 5 Plug the PC6 wiring harness in-line of the stock wiring harness and the ECM.

6 Route the PC6 wiring harness as shown. Use the supplied zip-tie to secure the PC6 wiring harness and stock wiring harness in place. Route the zip-tie through the hole in the frame where the stock zip-tie was located.



7 Using the supplied Velcro, mount the PC6 to the inner rear fender.

Be sure to clean both surfaces with the supplied alcohol swab prior to attaching the Velcro.

8 Reinstall the cosmetic air box cover and the passenger seat.

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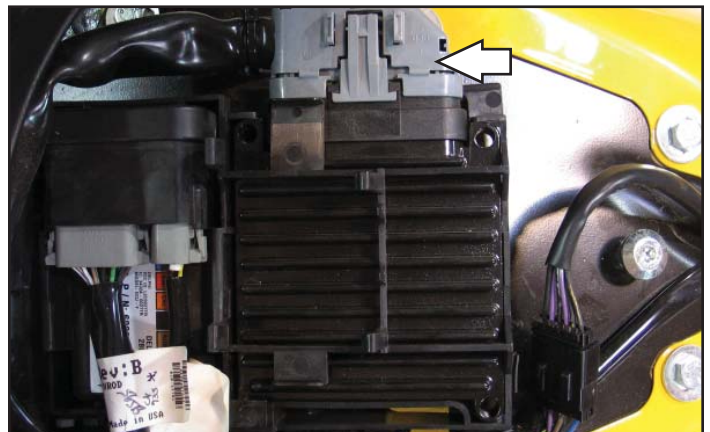


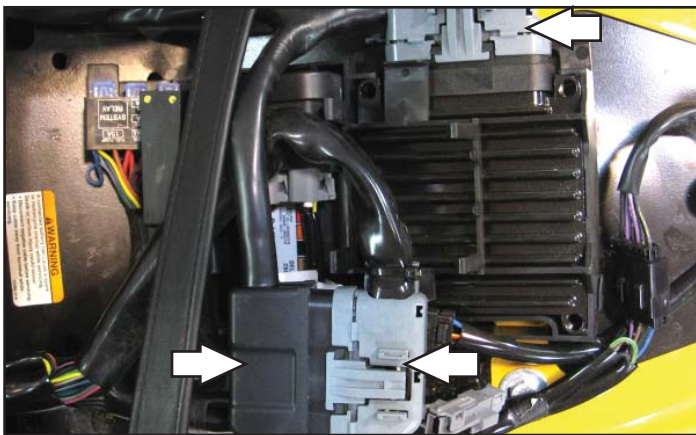
#### USE THE FOLLOWING INSTRUCTIONS WHEN INSTALLING 2007 MODELS

- 1 Open the main seat compartment.
- 2 Remove the rear seat by removing the two nuts.



3 Unplug the stock wiring harness from the ECM.





- 4 Connect the PC6 wiring harness in-line of the stock harness and ECM.



- 5 Install the PC6 near the fuse box.  
Use the supplied Velcro to secure the PC6 in place. Make sure to clean both surfaces with the alcohol swab before attaching.

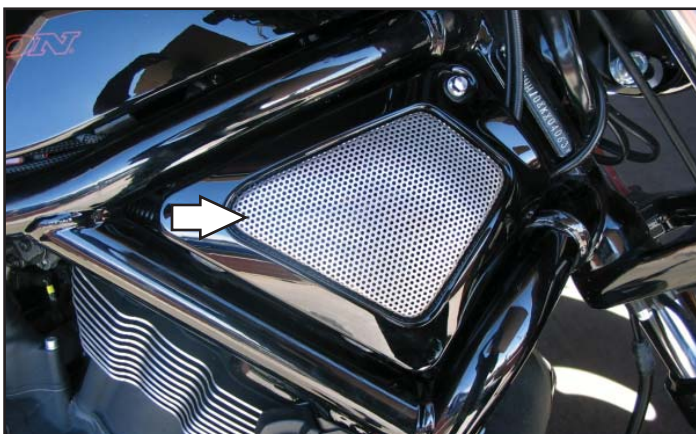
- 7 Reinstall seats.



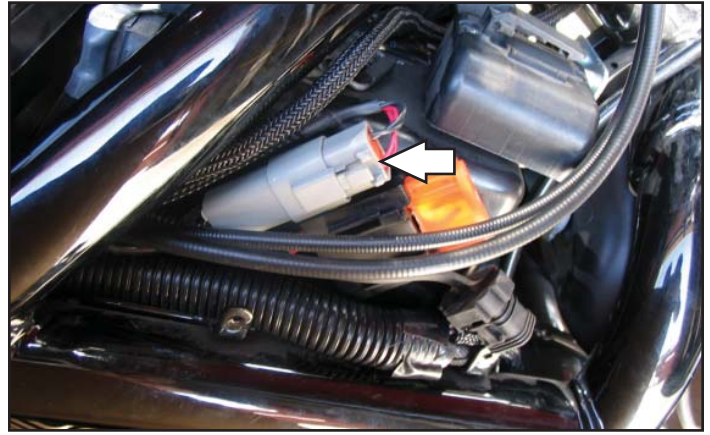
**USE THE FOLLOWING INSTRUCTIONS WHEN INSTALLING THE AUTOTUNE KIT P/N AT-100B.**

Note: Assuming the bike has an exhaust system specifically designed for a 2002-2007 model year V-rod, it should NOT have 18mm x 1.5 O2 sensor bungs in the header pipes to accommodate the Autotune kit's wideband O2 sensors. In this case, you will need to weld bungs into the header pipes to use Autotune. The Autotune kits with a part number ending in "B" come with weld-in mild steel bungs supplied.

- 1 Lift the main seat up. Remove the cosmetic cover over the air box.
- 2 Using the supplied Velcro install the Autotune module.
- 3 Remove the right hand side cover by the steering stem.



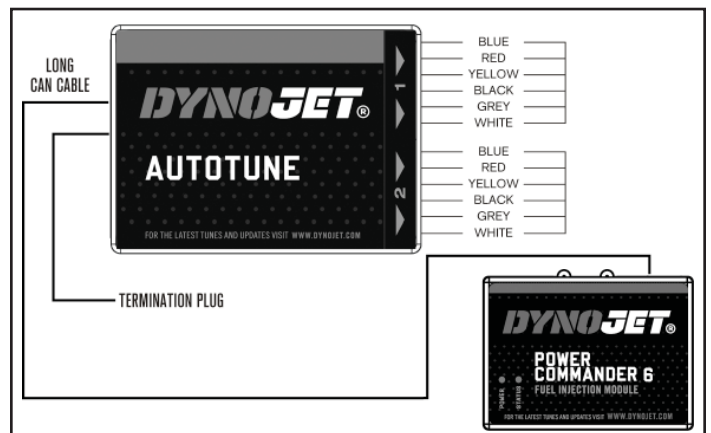
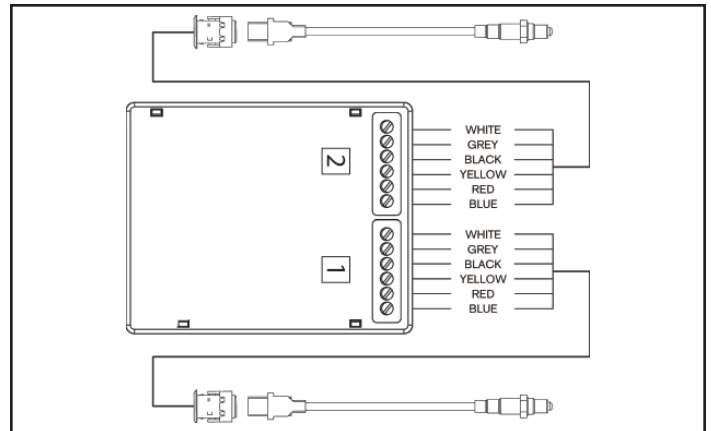
- 4 Remove the rubber plug for the diagnostic connector. Using the OPTIONAL (PN 76950159) V-rod extension lead, plug one end of the lead into the stock diagnostic connector.
- 5 Route the Autotune harness along the right side of the air box and plug the other end into the Autotune kit.



**ATTENTION**

If you do not have the OPTIONAL (PN 76950159) Power Extension Lead cut off the connector from the Autotune module. Connect the RED wire to a switched 12v source. Connect the BLACK wire to Ground.

- 6 Connect the longer harness to the front O2 sensor. Route the harness along the front down tube and along the backbone of the frame to the Autotune module. Wire the harness to the #1 input on the module as shown. The harness can be cut to length if desired.
- 7 Repeat step 6 for the rear cylinder. Wire the harness to Autotune Module sensor input #2. The harness can be cut to length if desired.
- 8 Use the CAN bus cable to connect one Autotune module to the PC6. It does not matter what ports are used.
- 9 Install the CAN termination plug into the open port of the Autotune module.  
  
This is the **BLACK HARD PLASTIC** plug provided in the Autotune kit.
- 10 Secure the harnesses in place as to not contact the exhaust.
- 11 Reinstall the side cover.



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# **PUSH THE LIMIT**

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