POWER COMMANDER 6

Installation Guide for: PC6-15027

Model Coverage: 2002-2006 Harley Davidson Touring Models

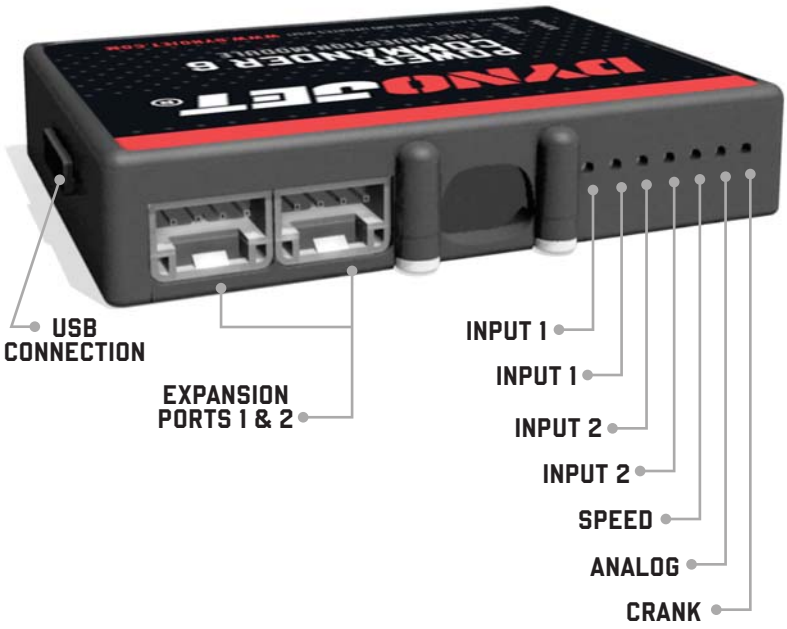
PARTS LIST

1 POWER COMMANDER 6	2 POWER COMMANDER DECALS
1 INSTALLATION GUIDE	2 ZIP TIES
1 USB CABLE	
2 DYNOJET DECALS	

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

IPC6-15027.01

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.

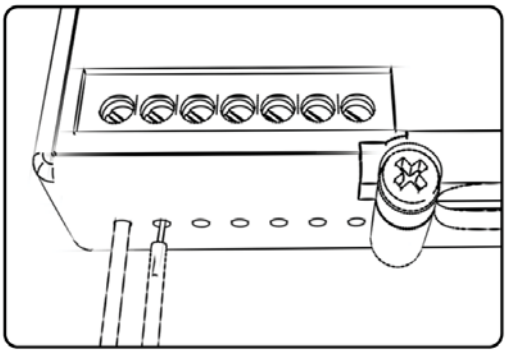
Analog This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.

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.

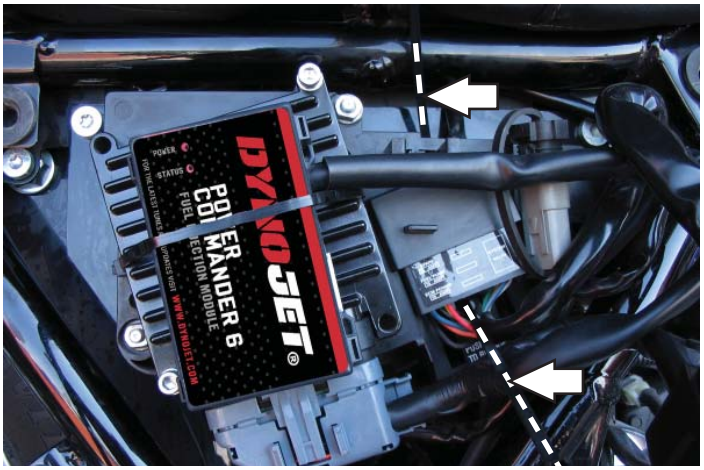
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6

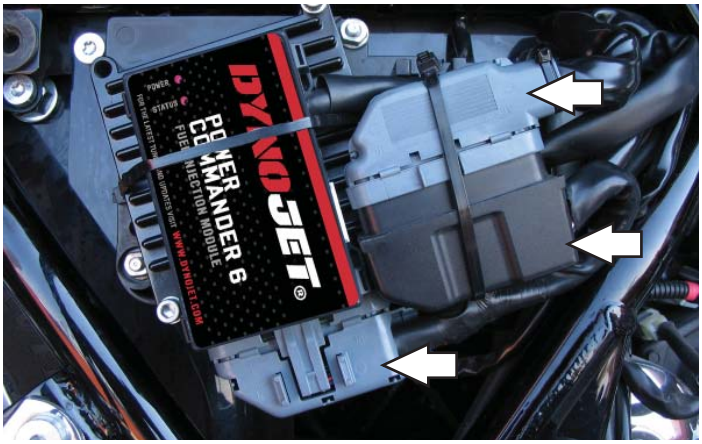
1 Remove the right hand side-cover.

2 Unplug the stock wiring harness from the ECM.



3 Attach the PC6 to the front of the ECM, using the supplied zip-tie. Route the zip-tie behind the ECM.

4 Route a second zip-tie behind the relay assembly.



5 Plug the stock wiring harness into the BLACK connector of the PC6 wiring harness.

6 Plug the GREY connector from the PC6 wiring harness onto the stock ECM.

7 Secure the connectors in place using the zip-tie.

8 Reinstall the side cover.

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

Note: Assuming the bike has an exhaust system designed for a 2002-2006 model year Harley Davidson Touring model, it should NOT have 18mm x 1.5 size bungs available in the header pipes for the Autotune wideband o2 sensors. In this case, you will need to weld bungs into the exhaust pipes to use Autotune. The Autotune kits with a part number ending in "B" come with mild steel weld-in bungs provided in the kit.

1 Install the wideband O2 sensors provided in the Autotune kit into the front and rear exhaust head pipes.

2 Remove the seat and the right hand side cover.

3 Remove the rubber plug for the stock diagnostic plug. Plug the power lead from the Autotune module into the diagnostic plug.

4 Using the supplied Velcro, install the Autotune module on top of the PC6 module.

Make sure the Velcro does not cover the designation of the sensor inputs on the back (#1 or #2). The inputs are coded to the front and rear cylinders.

5 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 Autotune input #1. Wire the harness to the module per Figure E.

The harness can be cut to length if desired.

6 Repeat step 5 for the rear cylinder. Wire the harness to Autotune input #2.

The harness can be cut to length if desired.

7 Use the CAN bus cable to connect the Autotune module to the PC6. It does not matter what ports are used.

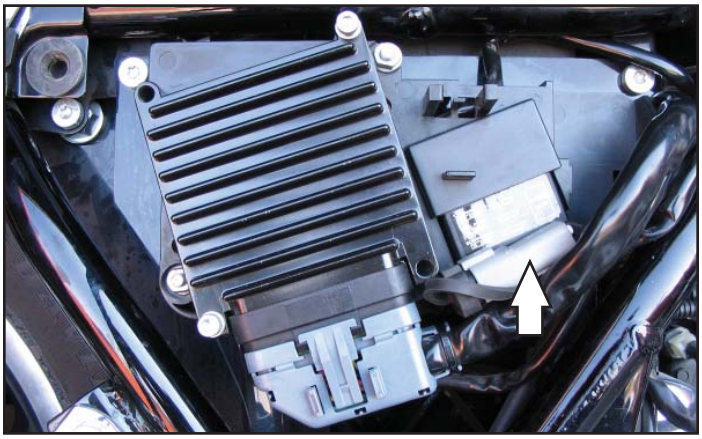
8 Install the CAN termination plug into the open port of the Autotune module. This is the BLACK plastic connector in the kit.

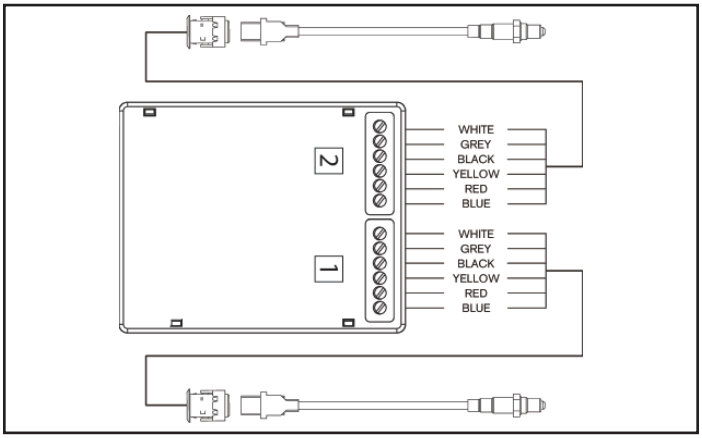
9 Secure the harnesses in place as to not contact the exhaust or any other hot or moving parts.

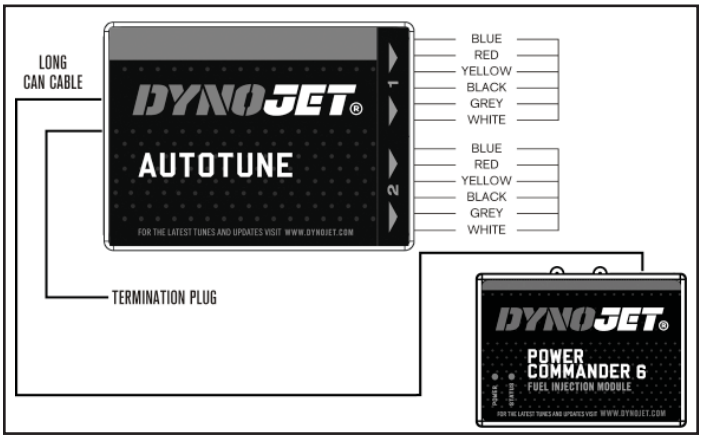
10 Reinstall the seat and right hand side cover.

In the PC6 software go to Power Commander Tools - Configure - Features, Enables, and Input Selections to enable and configure the Autotune feature.

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







PUSH THE LIMIT

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