

POWER COMMANDER 6

Installation Guide for: PC6-15040

Model Coverage: 1999-2001 Harley Davidson
Touring Models

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 | 2 ZIP-TIES |

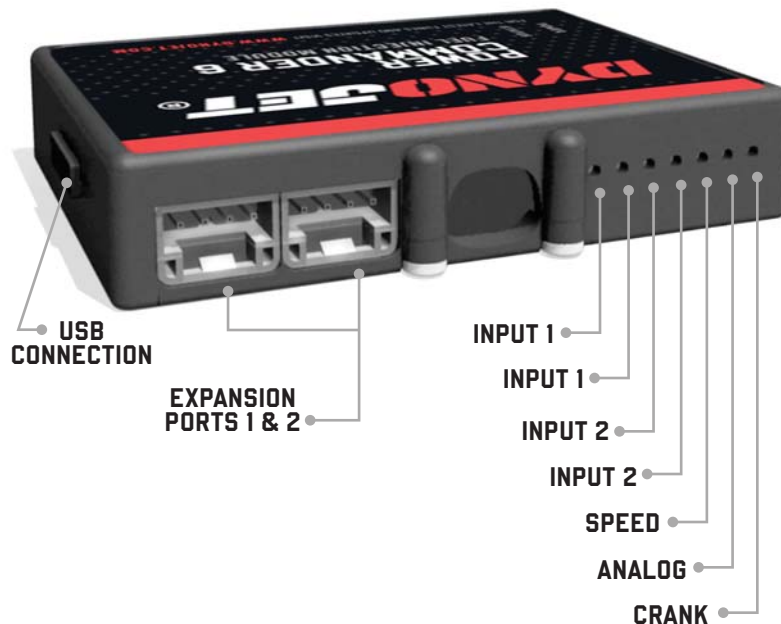
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-15040.01

**POWER
COMMANDER**

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.

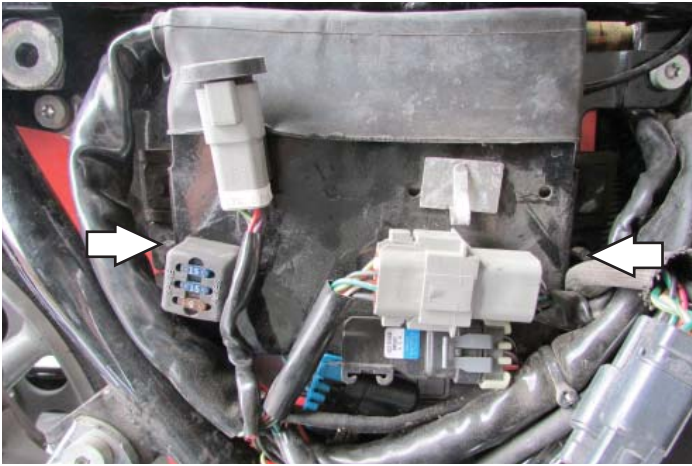
WIRE CONNECTIONS

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



There are two methods of installation for the Power Commander.

- The Standard install takes 30 minutes to accomplish, but the fit is better.
- The Quick install takes about 15 minutes. While this method is easier, it may allow wiring to be visible with certain aftermarket seat assemblies.

STANDARD INSTALLATION

- 1 Remove the seat.
- 2 Remove saddlebags if installed.
- 3 Remove left and right side covers.
- 4 Remove the battery (negative terminal first).
- 5 Loosen the two 7/16 nuts that retain the ECM to the battery tray enough to pull the ECM away from the frame.
- 6 From the left side of the motorcycle route the PC6 harness through the opening and into the battery tray area.
- 7 Continue routing the PC6 harness out the right side of the tray area.



- 8 Plug the PC6 harness into the stock wiring harness.

Use the supplied zip tie to secure the two connectors together.

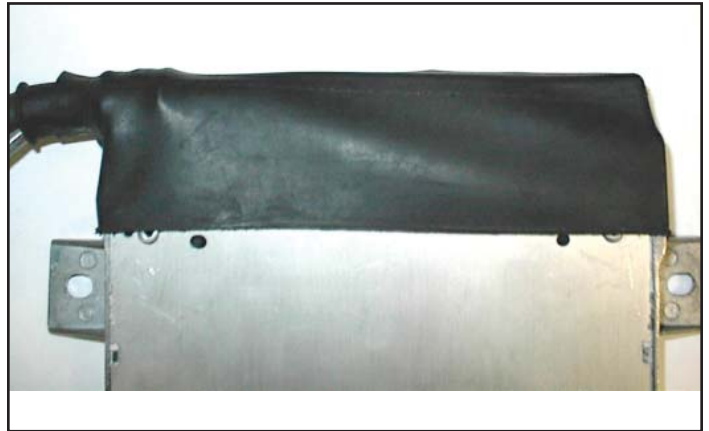


- 9 Disconnect the large connector from the ECU. Carefully remove the rubber dust shield.

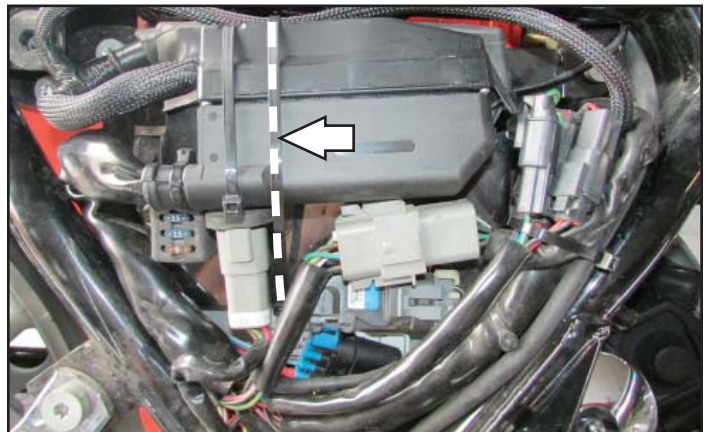
- 10 Install the dust shield onto the matching connector of the PC6.

Make sure the rubber boot is around the **OUTSIDE** of the ECU to keep water out of the connector.

- 11 Tighten the two 7/16-inch nuts to secure the ECU tray back into place.



- 12 Use the supplied zip-tie to secure the set of connectors to the ECU tray.



- 13 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.

- 14 Install the battery, side covers and saddlebags.



QUICK INSTALLATION

- 1 Remove the seat
- 2 Remove right hand side cover.
- 3 Loosen the two 7/16 nuts that retain the ECU.
- 4 Disconnect the large connector from the ECU. Remove the rubber dust shield and install on the male connector of the PC6. Make sure the rubber boot is properly installed.
- 5 Connect the PC6 male connector to the stock ECU.
- 6 Connect the female connector from the PC6 to the stock wiring harness. Use the zip tie to secure the connectors to each other.
- 7 Tighten ECU retaining nuts.
- 8 Attach PC6 to the battery tray or slide the unit under the battery tray.
- 9 Reinstall side cover and seat.

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PUSH THE LIMIT

2191 MENDENHALL DRIVE, NORTH LAS VEGAS, NV 89081 - 800-992-4993 - DYNOJET.COM

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