

[POWER COMMANDER V]

2018 Harley Davidson Softail Model

Installation Instructions



PARTS LIST

- 1 Power Commander
- 1 USB Cable
- 1 Installation Guide
- 2 Power Commander Decals
- 2 Dynojet Decals
- 2 Velcro strips
- 1 Alcohol swab
- 1 Zip tie

**THE IGNITION MUST BE TURNED
OFF BEFORE INSTALLATION!**

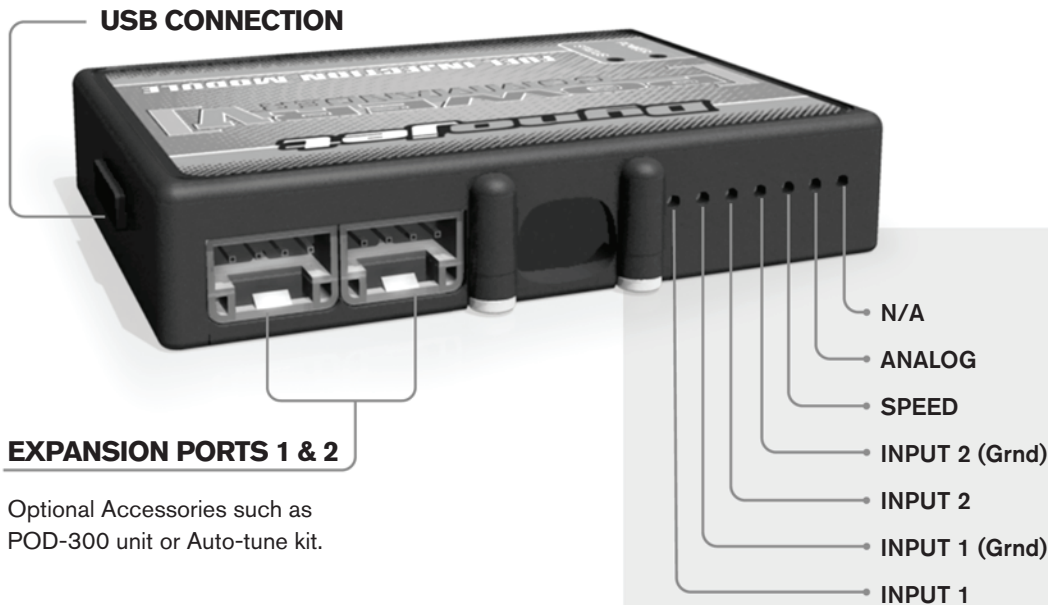
THE LATEST POWER COMMANDER
SOFTWARE AND MAP FILES CAN BE
DOWNLOADED FROM OUR WEB SITE AT:
www.powercommander.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Dynojet

2191 Mendenhall Drive North Las Vegas, NV 89081 (800) 992-4993 www.powercommander.com

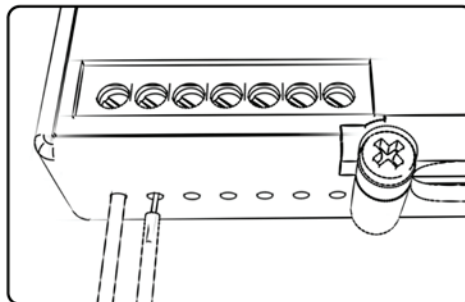
POWER COMMANDER V INPUT ACCESSORY GUIDE



Wire connections:

To input wires into the PCV 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 PCV 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.



ACCESSORY INPUTS

Map -

(Input 1 or 2) The PCV 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. When using the Autotune kit one position will hold a base map and the other position will let you activate the learning mode. When the switch is "CLOSED" Autotune will be activated. (Set to Switch Input #1 by default.)

Shifter-

(Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quickshifter into either INPUT 1 or INPUT 2. The polarity of the wires is not important. (Set to Switch Input #2 by default.)

Speed-

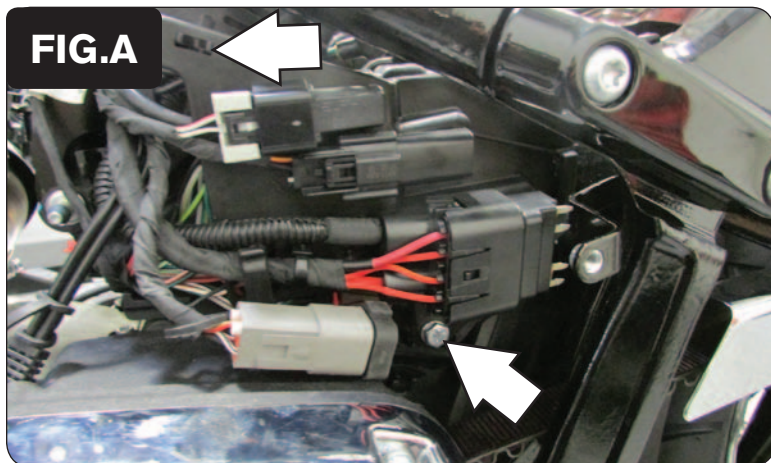
Not needed on Harley applications as the speed signal wire is built into the main wiring harness of the PCV.

Analog-

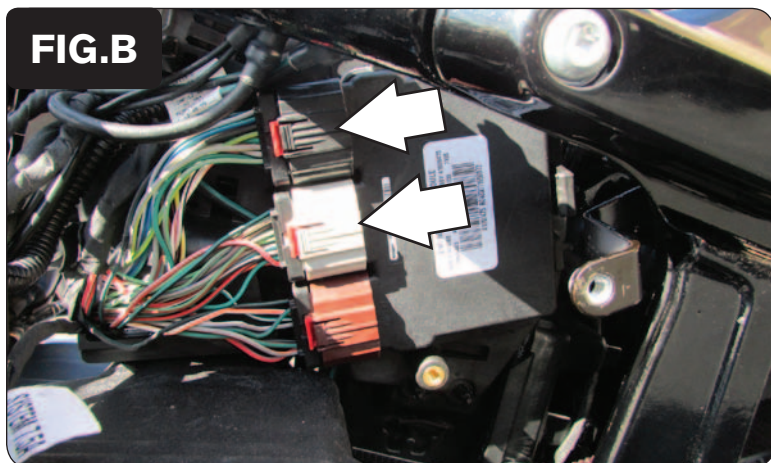
This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the control center software.

Launch-

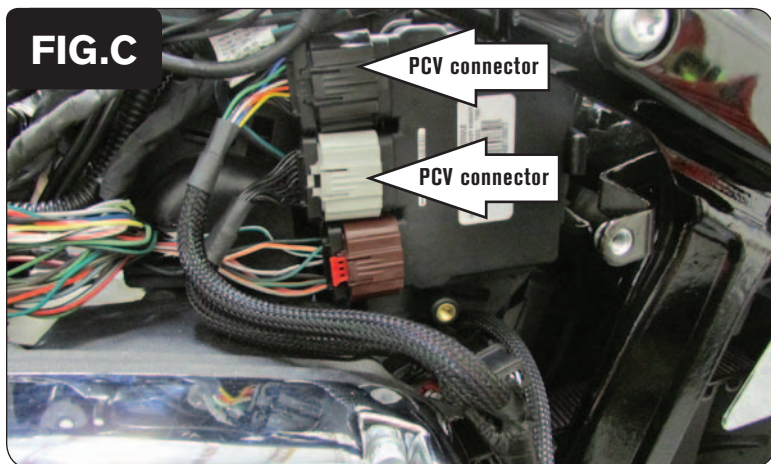
You can connect a wire to either input 1 or 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (Set in the software). When released you will have full RPM.



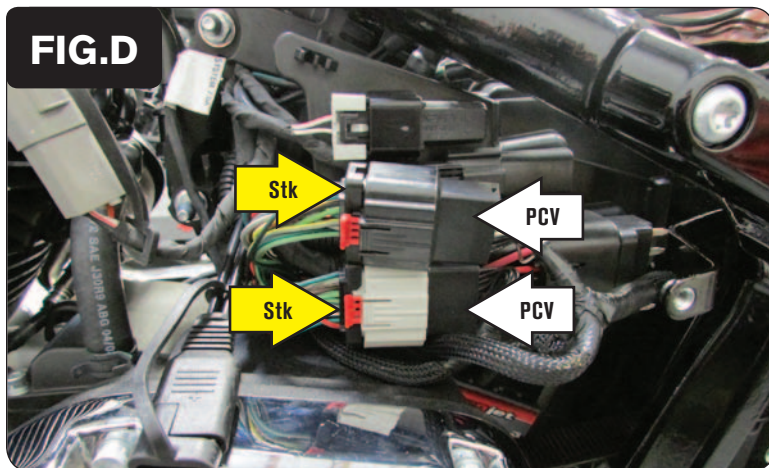
- 1 Remove the passenger and driver seats
- 2 Remove the left and right sidecovers below the seat.
- 3 To access the ECU on the left side of the bike remove the bolt shown in Figure A, and then squeeze the tabs at the top of this plate to pull it outwards.



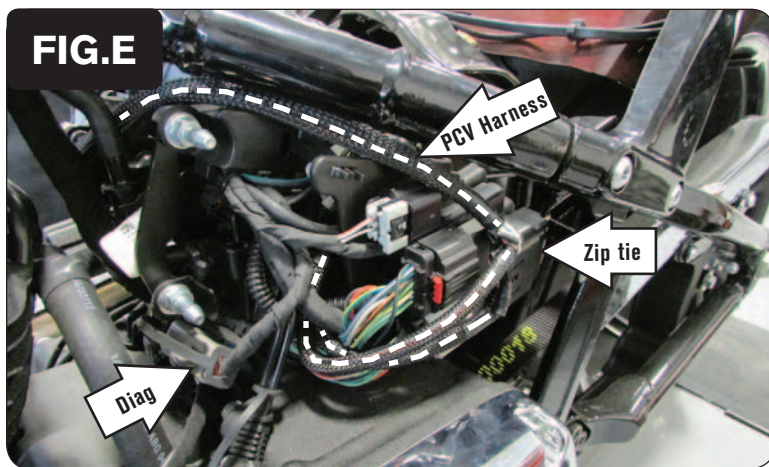
- 4 Unplug the stock wiring harness from the ECU. Unplug the BLACK and GREY connectors (Fig. B)



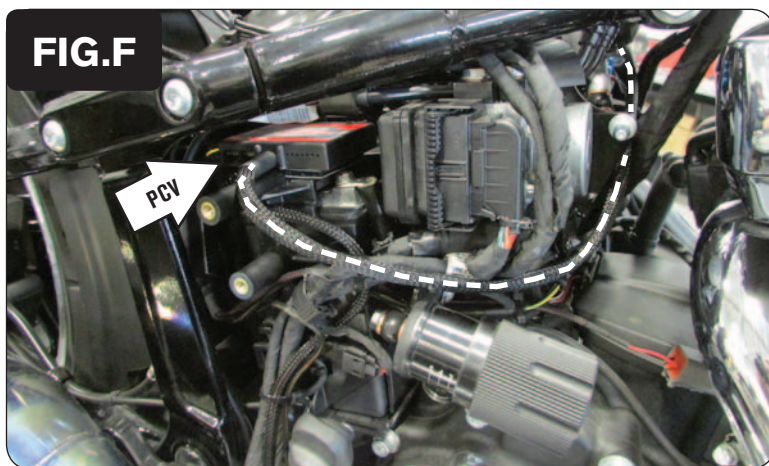
- 5 Plug the PCV connectors into the stock ECU (Fig. C).



- 6 Put the plate from step 3 back into place.
- 7 Plug the PCV connectors into the stock wiring harness (Fig. D).



- 8 Using the supplied zip tie secure the wiring to the connectors attached to the plate.
- 9 Locate the diagnostic plug to the front of this area (Fig. E).
- 10 Route the PCV module to the right side of the bike.



- 11 Secure the PCV module to the top of the battery on the right side using the supplied Velcro (Fig. F).
Make sure to clean the surface with the alcohol swab before attaching.
- 12 Reinstall the sidecovers and seats.