

POWER COMMANDER 6

Installation Guide for: PC6-16084

Model Coverage:

2020-2021 Honda Foreman TRX520

PARTS LIST



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| 1 | INSTALLATION GUIDE | 2 | VELCRO STRIPS |
| 1 | USB CABLE | 1 | ALCOHOL SWAB |
| 2 | DYNOJET DECALS | 1 | POSI-TAP |

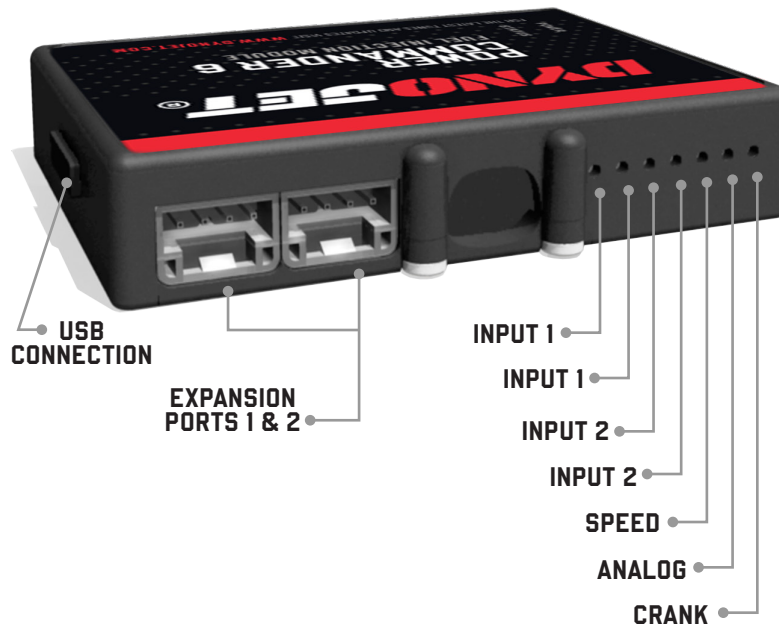
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-16084.01



INPUT ACCESSORY GUIDE



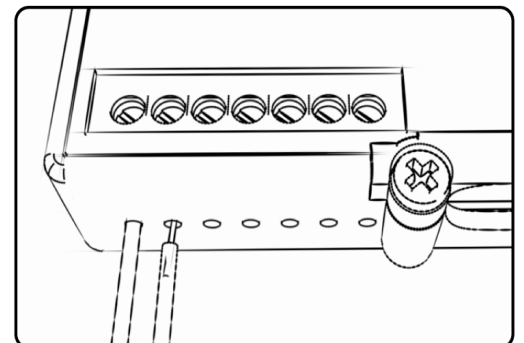
OPTIONAL ACCESSORY INPUTS

- 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.

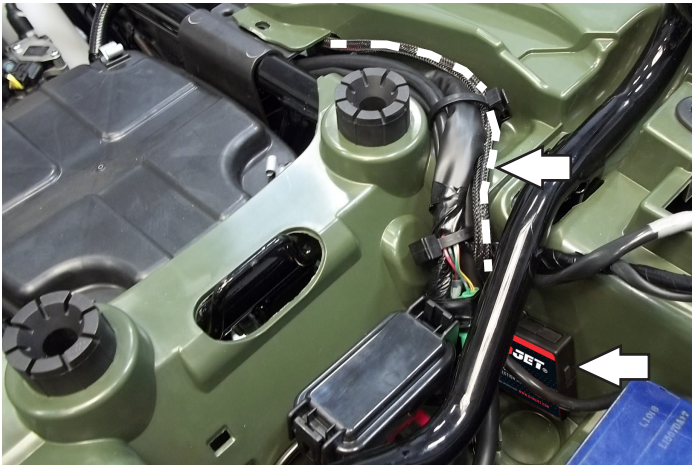
NOTE: If you tin the wires with solder it will make inserting them easier.



INSTALLING THE POWER COMMANDER 6



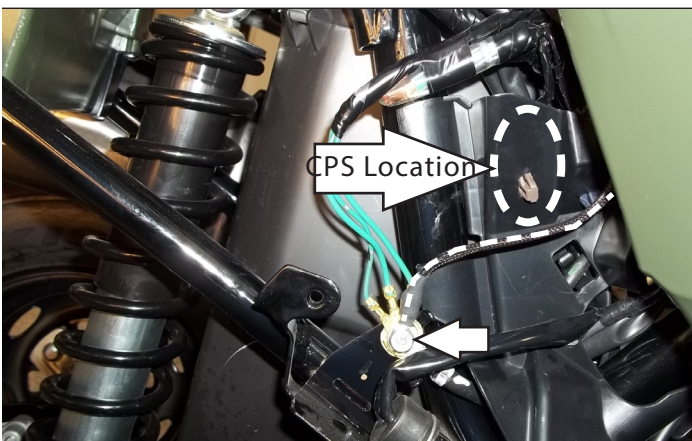
- 1 Remove the seat, the battery cover rear of the seat, and the body panels surrounding the ATV's fuel tank.



- 2 Using the supplied Velcro, secure the PC6 module to the right side of the compartment directly in front of the battery.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro adhesive.

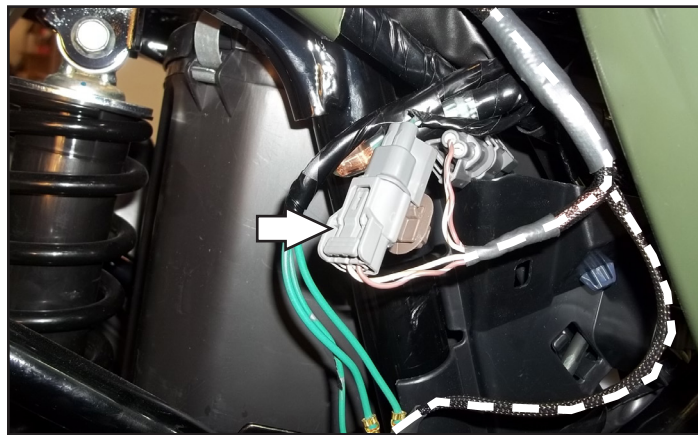
- 3 Route the PC6 wiring harness forward along the right side frame rail following alongside the stock wiring harness and using the stock wiring harness ties to secure the PC6 wiring harness.



- 4 Route the PC6 ring lug and GREY 2-pin connector pair into the right-rear fender well.
- 5 Inside of the right-rear fender well, secure the PC6 ring lug to the common ground bolt on the frame.
- 6 Loosen the stock Crank Position Sensor connectors from behind the plastic panel at the location shown (dashed oval).

This is a GREY 2-pin connector pair.

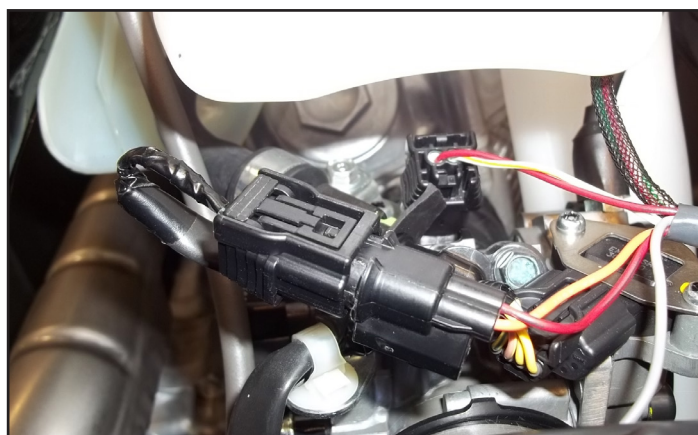
- 7 Plug the pair of GREY 2-pin connectors of the PC6 wiring harness in-line of the stock GREY 2-pin connectors for the ATV's Crank Position Sensor.
- 8 Store the 2 connector pairs back behind the plastic panel.
- 9 Route the remaining portion of the PC6 wiring harness towards the ATV's throttle body.



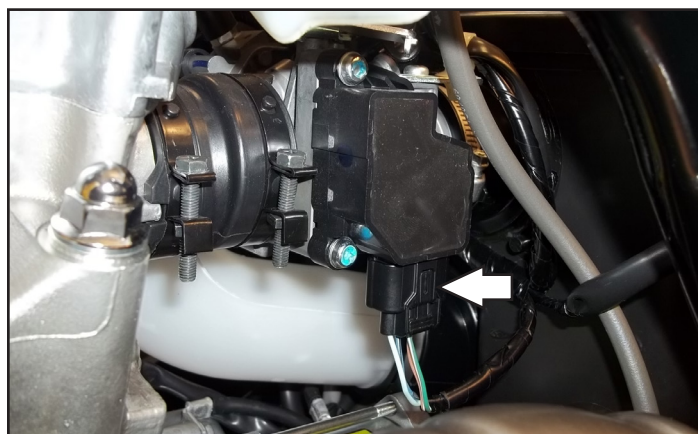
- 10 At the top of the throttle body, unplug the stock wiring harness from the ATV's Fuel Injector.

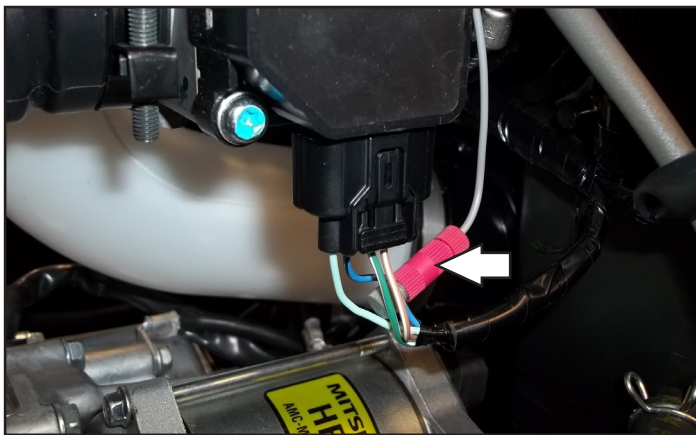


- 11 Plug the PC6 wiring harness in-line of the Fuel Injector and the stock wiring harness.

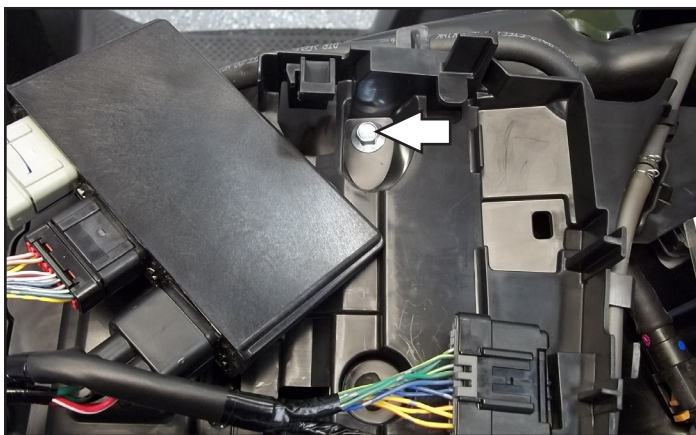
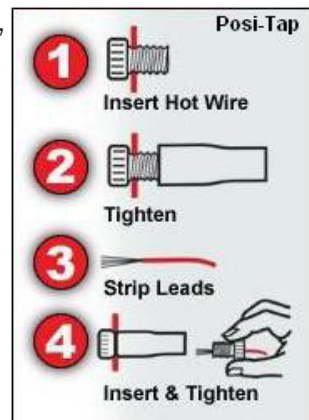


- 12 At the left side of the throttle body, unplug the stock wiring harness from the ATV's Throttle Position Sensor.





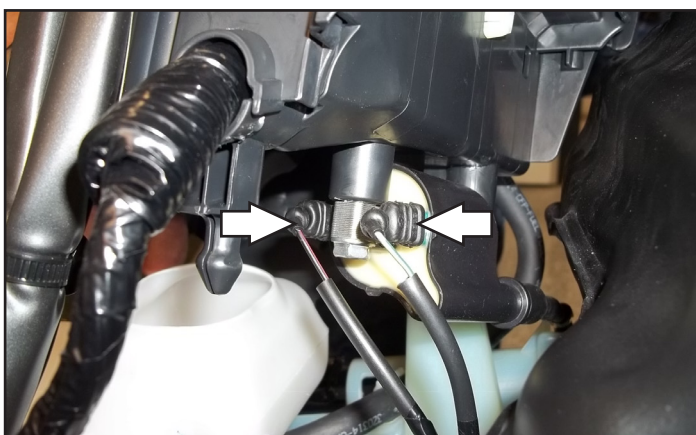
- 13 Use the supplied Posi-tap, to attach the PC6 single unterminated GREY wire to the stock BLACK/BLUE wire of the TPS connector.
- 14 After attaching the wire, plug the ATV's stock TPS connector back on to the TPS.



- 15 Pull the ECM rearward and unlatch it from its mounting bracket. Remove the bolt found beneath the ECM.

This should allow you to lift up on the entire ECM mounting bracket assembly enough to access the Ignition Coil beneath it.

- 16 Route the PC6 wires with spade connectors towards the Ignition Coil.
- 17 At the Ignition Coil, unplug the stock BLACK/RED wire from the BLACK coil tab.
- 18 Unplug the stock GREEN/RED wire from the GREEN coil tab.



- 19 Plug the RED/WHITE wires of the PC6 in-line of the stock BLACK/RED wire and the BLACK coil tab.
- 20 Plug the GREEN wire of the PC6 to the stock GREEN/RED wire and the WHITE/GREEN wire of the PC6 to the GREEN coil tab.

Slide the insulators on these spade connections over the spade connectors to avoid causing a short circuit and/or corrosion.

- 21 Reinstall the ECM mounting bracket and ECM.
- 22 Reinstall the covers over the fuel tank, the battery cover, and the seat.



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

To see a video demonstration of this install, visit our channel (DynojetResearch) on YouTube.com.



PUSH THE LIMIT

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