

POWER COMMANDER 6

Installation Guide for: PC6-22044

Model Coverage: 2009-2014 Yamaha YFZ450 R/X

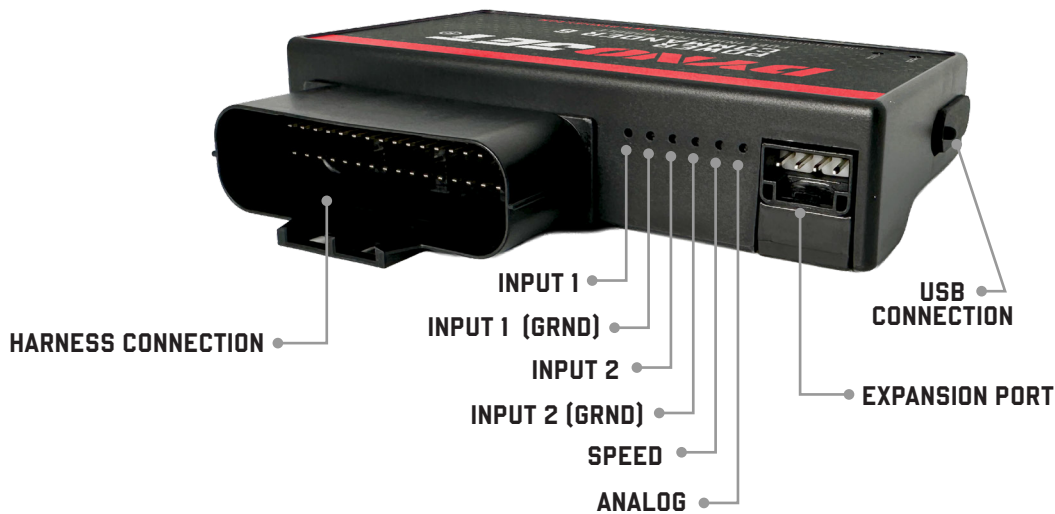
PARTS LIST

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

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



INPUT ACCESSORY GUIDE—NEW PC6



INSTALLATION—HARNESS CONNECTION

Route the PC6 harness following the instructions in this guide. To complete installation, click the harness and module together and secure the PC6 in the location as described.

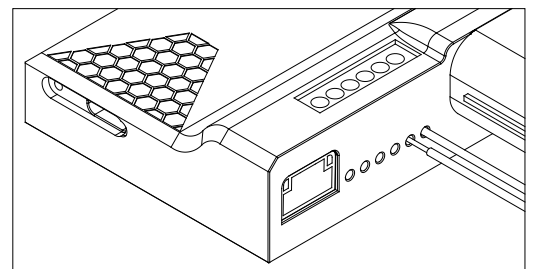
OPTIONAL ACCESSORY INPUTS

- 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 quickshifter.
- 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.

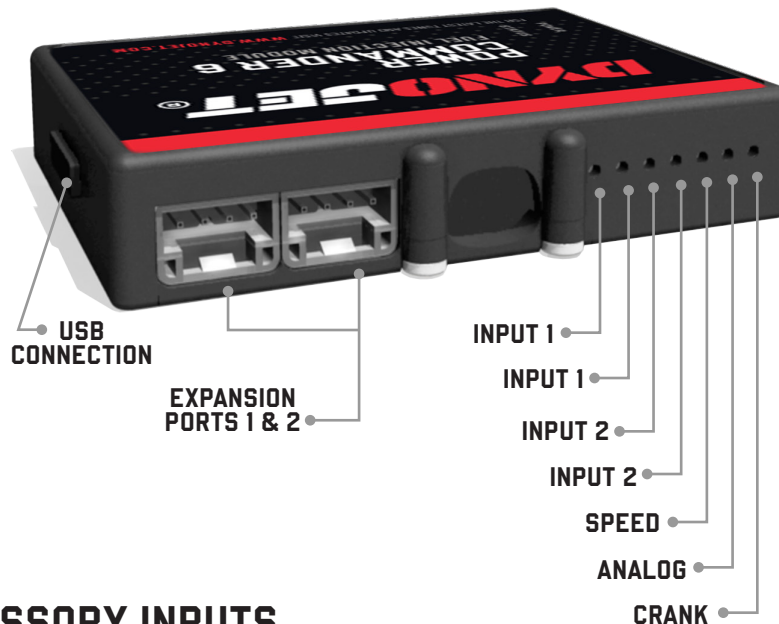
WIRE CONNECTIONS

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.



INPUT ACCESSORY GUIDE—ORIGINAL PC6



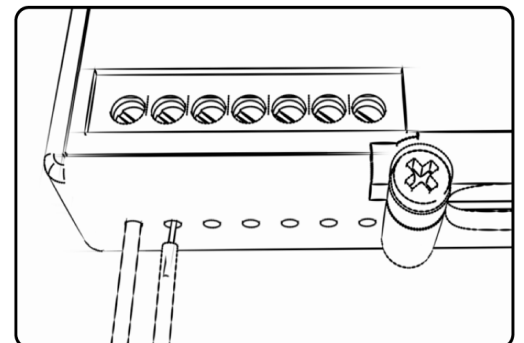
OPTIONAL ACCESSORY INPUTS

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- 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.
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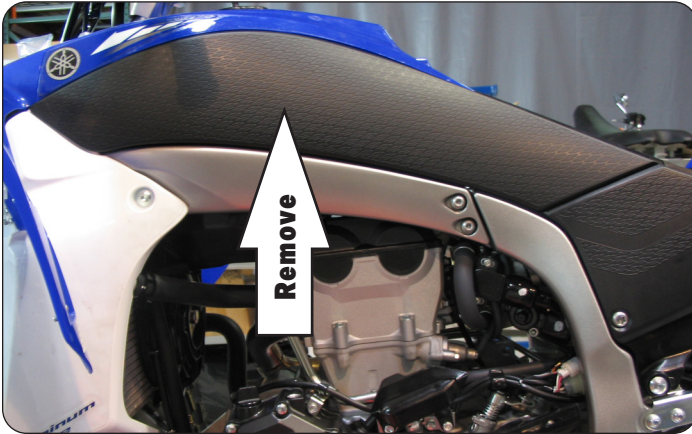
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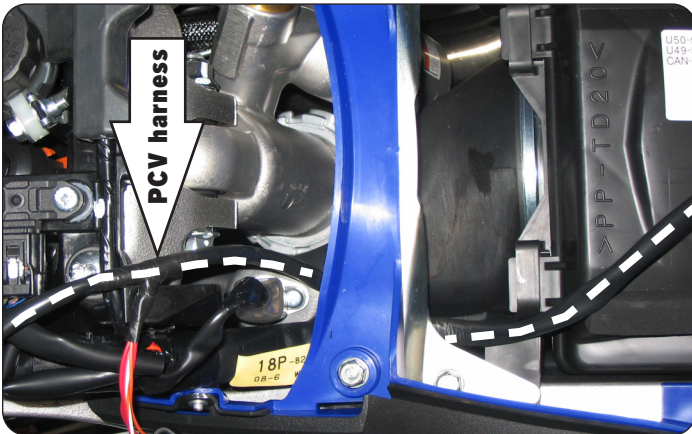
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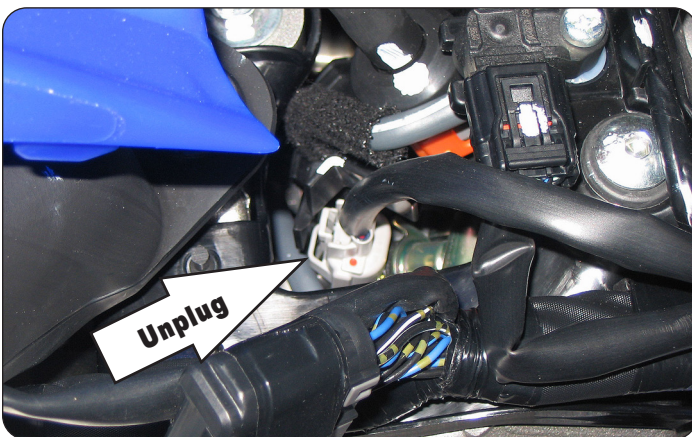
INSTALLING THE POWER COMMANDER 6



- 1 Remove seat.
- 2 Remove the side covers.
- 3 Remove the fuel tank.

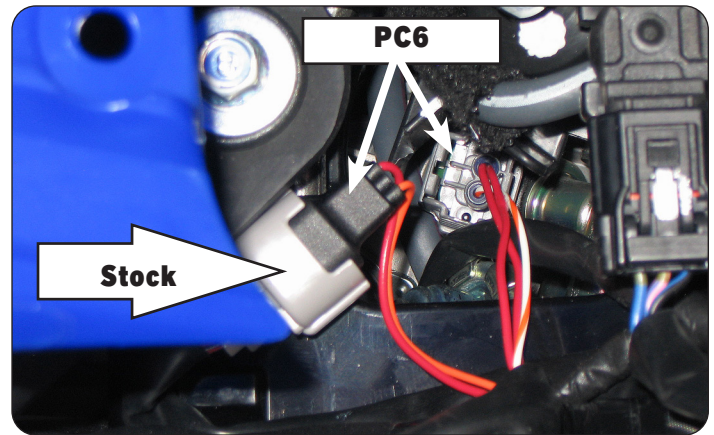


- 4 Lay the PC6 in the tail section of the quad temporarily.
- 5 Route the PC6 wiring harness from the rear of the quad to the throttle body going along the left hand side of the frame.
Route the harness underneath the frame crossover.

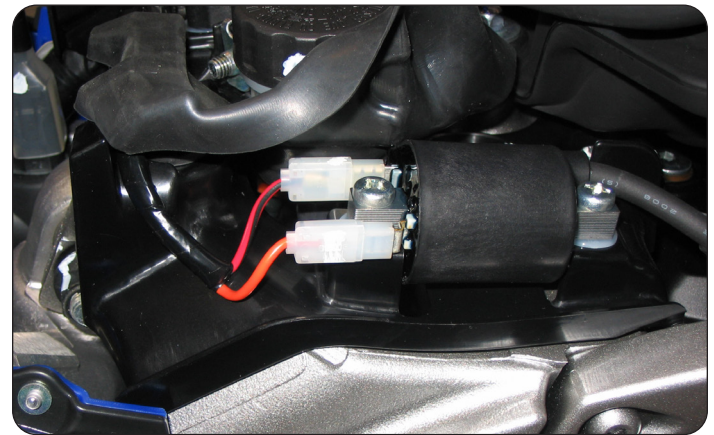


- 6 Unplug the stock wiring harness from the injector.

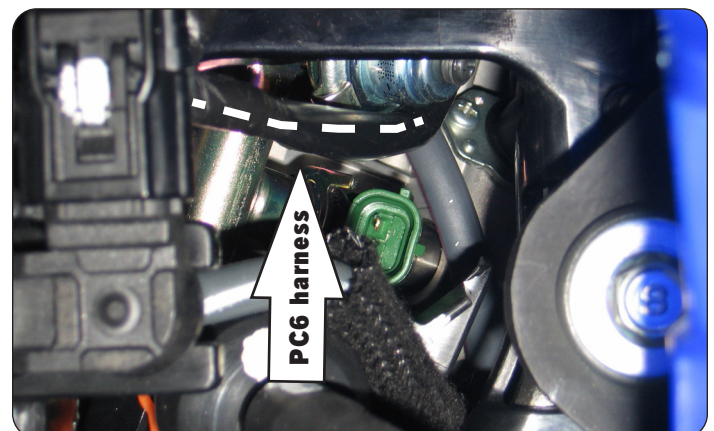
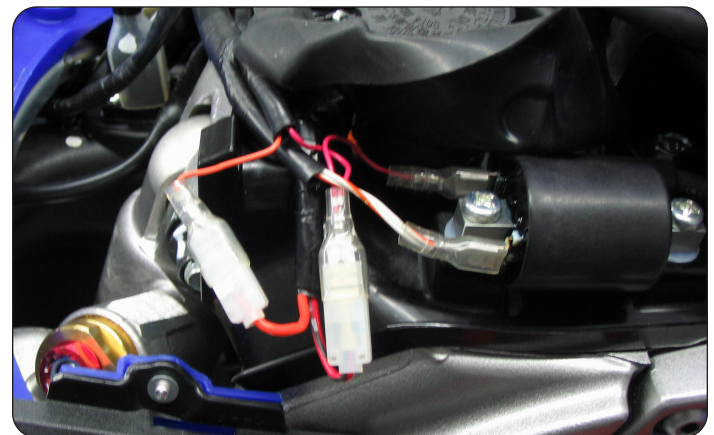
- 7 Plug the PC6 wiring harness in-line with the fuel injector and stock wiring harness.

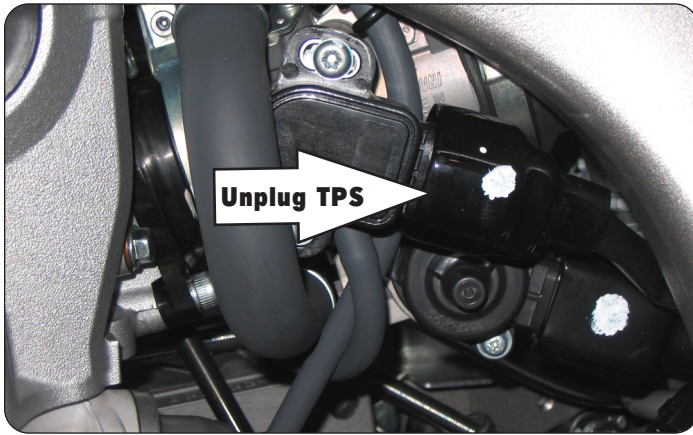


- 8 Route the branch of the wiring harness with RED and GREEN colored wires to the right side of the quad, across the top of the rear shock, and under the rubber flap, where the ignition coil is located.



- 9 Unplug the RED/BLACK wire on the ignition coil.
- 10 Connect the pair of RED colored wires of the PC6 harness in-line with the coil and the RED/BLACK wire.
- 11 Unplug the ORANGE wire on the ignition coil.
- 12 Connect the pair of GREEN colored wires of the PC6 harness in-line with the coil and the ORANGE wire.
- 13 Route the set of 3 pin connectors, and the set of 2 pin connectors, of the PC6 harness down the left side of the throttle body.





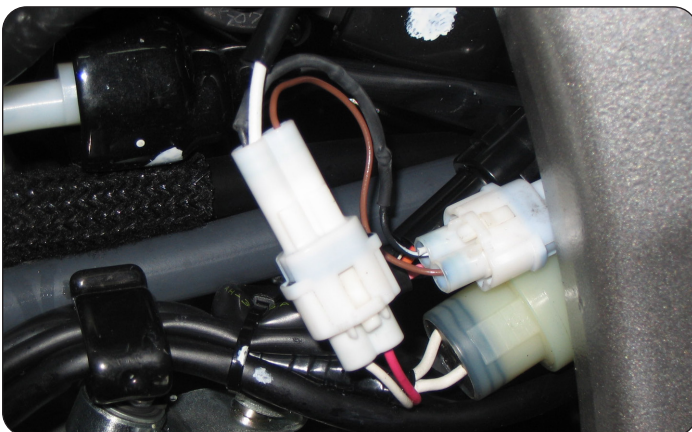
- 14 Unplug the Throttle Position Sensor connector from the left hand side of the throttle body.
- This connector is covered with a BLACK rubber boot.



- 15 Connect the set of 3 pin connectors of the PC6 in-line of the TPS and the stock wiring harness.

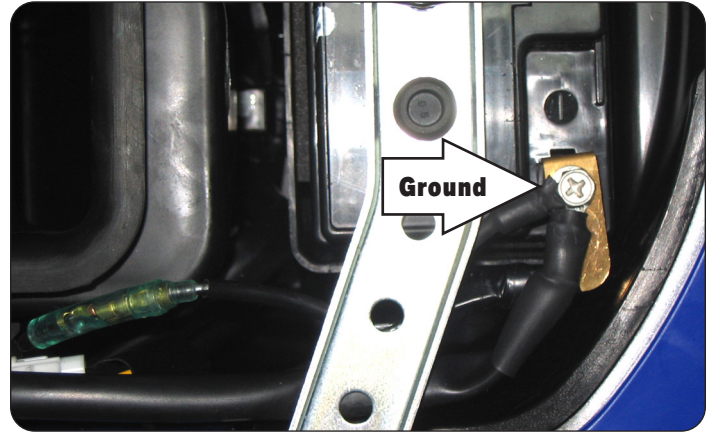


- 16 Unplug the Crank Position Sensor connectors on the left side of the quad behind the frame rail.
- These are the WHITE 2pin connectors.

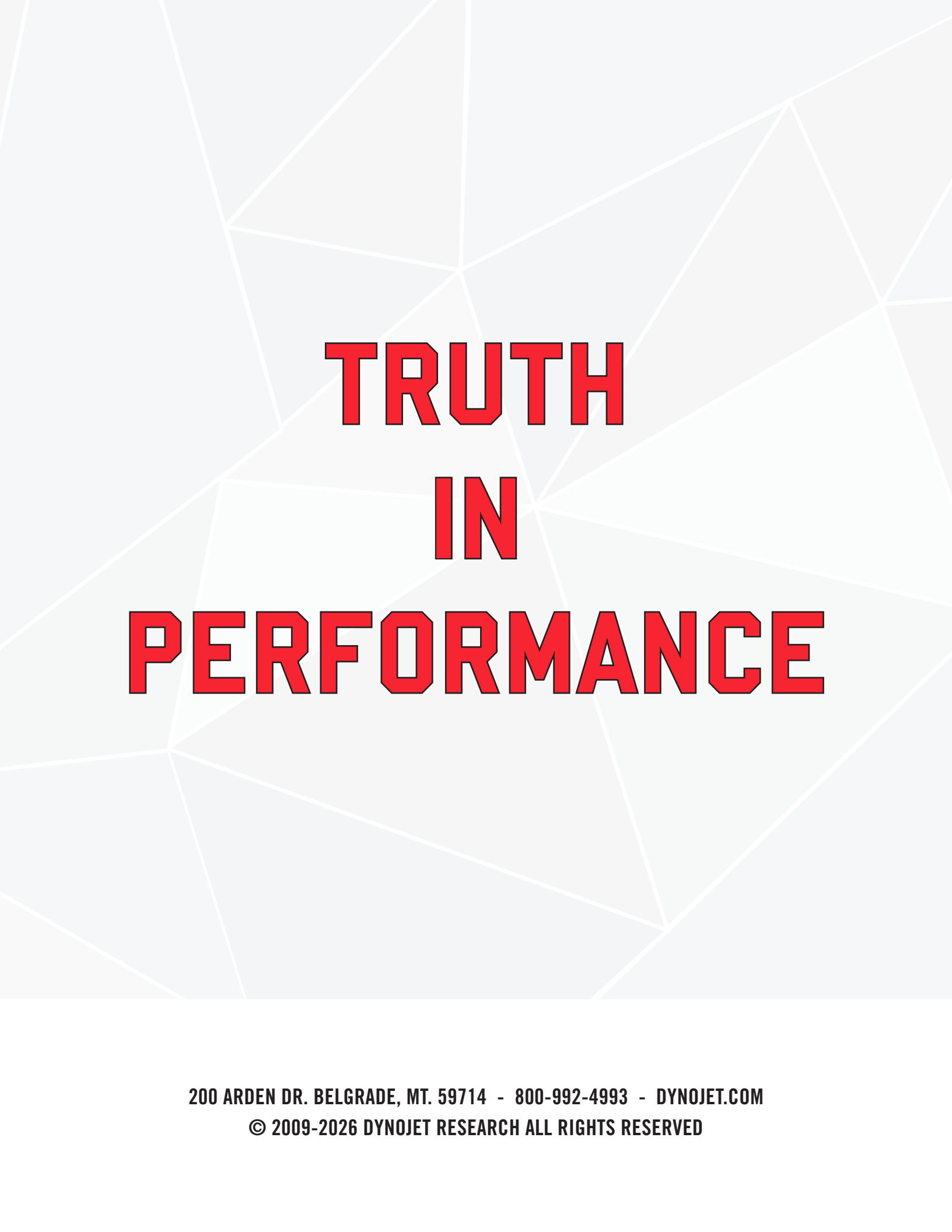


- 17 Connect the set of 2 pin connectors of the PC6 in-line of the stock Crank Position Sensor connectors.

- 18 Attach the ground wire of the PC6 with the ring lug to the negative side of the battery.
- 19 Mount the PC6 in the pocket of the rear fender on the left side using the supplied velcro. Use the supplied alcohol swab to clean the surface before attaching the unit.
- 20 Mount the fuel tank back into place.
- 21 Make sure the wiring harness is routed in a manner that it is free from getting damaged by any hot or moving parts.
- 22 Reinstall the side covers and the seat.



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



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