![Fuel Moto logo]

FUEL MOTO MICRO EFI TUNER
INSTALLATION INSTRUCTIONS
POLARIS
2015-2016 RZR 900
2014-2016 RZR XP1000

PARTS LIST

1	Micro Tuner Module	2	Velcro
1	USB Cable	2	Zip ties
1	Alcohol swab	1	Posi-tap
1	Installation Guide	1	O2 Optimizer

## PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

Note: Fuel Moto USA and Fuel Moto Micro EFI Tuner fuel management systems are not legal for use or installation on motor vehicles operated on public highways in the State of California or other States where similar emission and decibel regulation laws may apply. The user shall determine suitability of the product for his or her use. The user shall assume all risk and liability in violation of regulations and any incurred financial obligations due to vehicle inspections or emissions tests.

Fuel Moto USA   2215 Kelbe Dr.,   Little Chute, WI 54140   Phone: 920-423-3309   www.fuelmotousa.com

FIG.A

harness

FIG.B

ground

FIG.C
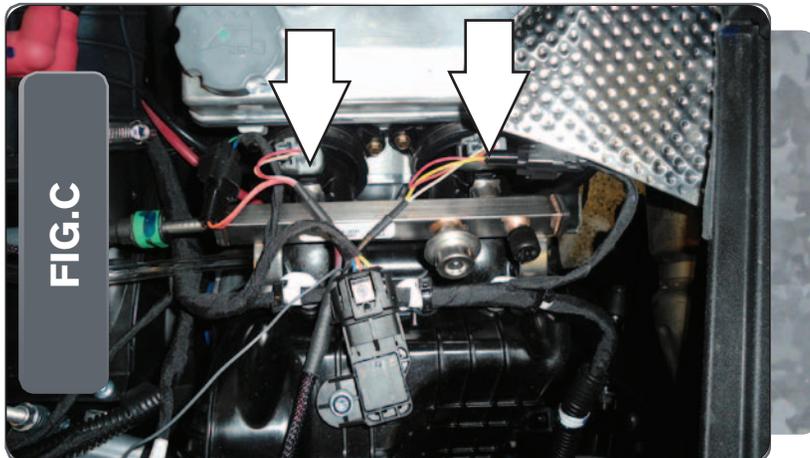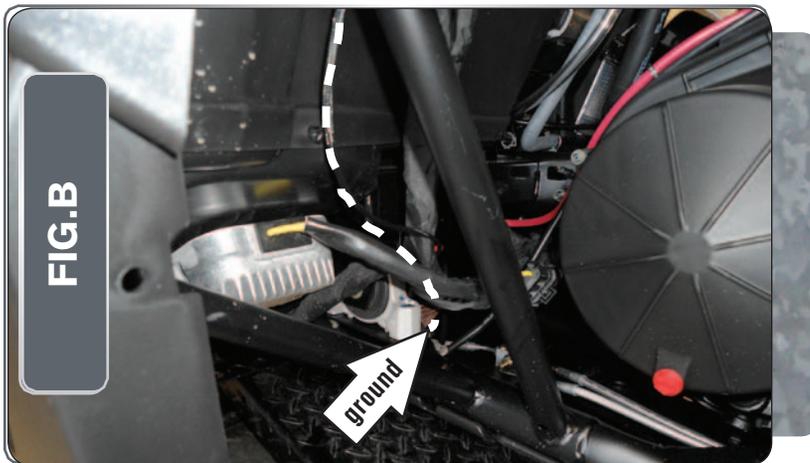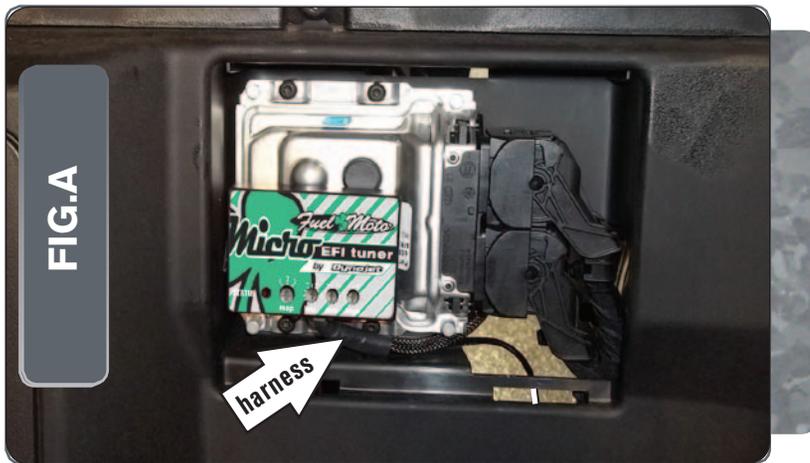
Note: FOLLOW THESE STEPS FOR THE RZR900 and RZR1000 (non XP model). FOR THE RZR1000XP SKIP TO PAGE 4

1   Remove the driver's seat.

2   Remove the small plastic panel behind the driver's seat to access the ECU.

3   Remove the panel at the bottom of the cargo bed to access the top of the engine.

4   Feed the MicroTuner wiring harness through the hole in the firewall by the ECU.

5   Using the supplied velcro, secure the MicroTuner module to the top of the ECU as shown in Figure A.

    Make sure to clean both surfaces with the alcohol swab before attaching.

6   Route the MicroTuner ground wire with the ring lug to the common ground on the skid plate just below the ECU as shown in Figure B.

    Make sure your harness routing is free and clear of rear suspension movement. Route the ground wire around the front of the rear sway bar.

7   Route the rest of the MicroTuner wiring harness up over the top of the engine.

8   Locate and unplug the stock wiring harness from both of the fuel injectors as shown in Figure C.

9   Attach the connectors with the orange wires from the MicroTuner harness to the #1 cylinder (left) injector and stock wiring harness.

10   Attach the connectors with the yellow wires from the MicroTuner harness to the #2 cylinder (right) injector and stock wiring harness.
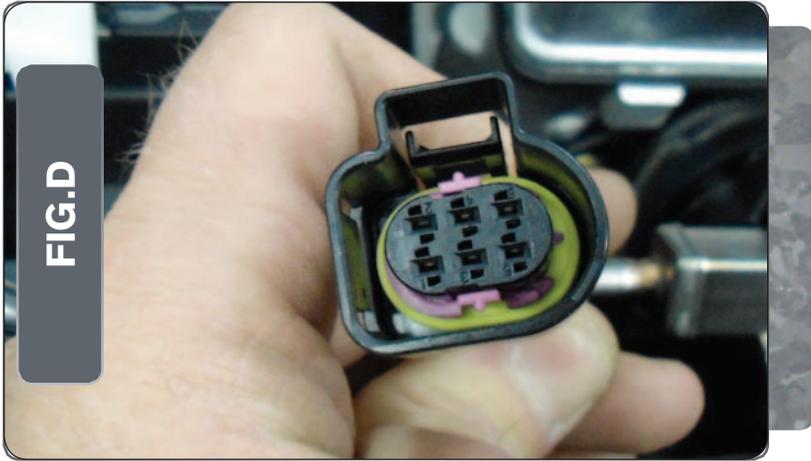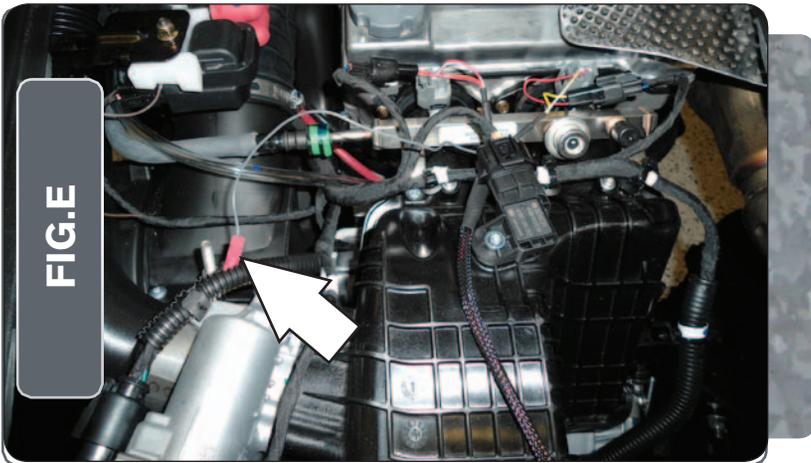
FIG.D

11 Unplug the electrical connector from the throttle body servo as shown in
Figure D.

12 Remove the wires from the factory plastic wire loom slightly to find the dark green wire.

FIG.E

13 Using the supplied posi-tap, attach the single unterminated grey wire from the MicroTuner wiring harness to the stock dark green wire on the throttle body servo connector as shown in Figure E.

14 Plug the stock connector back on to the throttle body servo and place the wires back in the factory wire loom.
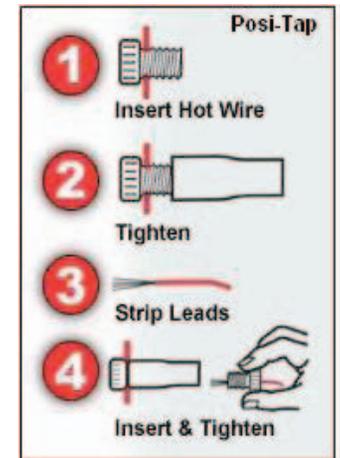
15 Route the remaining MicroTuner wiring harness branch with the brown wires across the top of the engine to the right side.

16 Zip tie the harness where necessary ensuring it is clear of moving suspension parts and the exhaust.

17 Reinstall the engine cover.

18 Reinstall the plastic ECU cover panel.

19 Reinstall the driver's seat.

Posi-Tap

1 Insert Hot Wire

2 Tighten

3 Strip Leads

4 Insert & Tighten

FIG.F

MicroTuner

FIG.G

Ground

FIG.H

Intake box

TB Servo

Air Scoop

Note: FOLLOW THESE STEPS FOR THE RZR XP1000

1   Remove the driver's seat.

2   Remove the small plastic panel behind the driver's seat to access the ECU.

3   Remove the panel at the bottom of the cargo bed to access the top of the engine.

4   Feed the MicroTuner wiring harness through the hole in the firewall by the ECU.

5   Use the supplied Velcro strips to secure the MicroTuner module to the top of the ECU (Fig. F).

   Clean the surface on the ECU with the supplied alcohol swab prior to applying the Velcro.

6   Route the MicroTuner ground wire with the ring lug to the common ground on the skid plate just below the ECU.

   Make sure your harness routing is free and clear of rear suspension movement. Route the ground wire around the front or the rear sway bar.

7   Secure the MicroTuner ground wire with the ring lug to the common ground bolt   (Fig. G).

8   Remove the intake air scoop that runs along the left side of the engine.

9   Loosen the intake box at the throttle bodies and remove the single bolt at the bottom of the box that secures it to the vehicle chassis. Loosen the intake box from the throttle bodies (Fig. H).

   This will give easier access to the electrical connector for the Throttle Body Servo and the ignition coil.

FIG.I
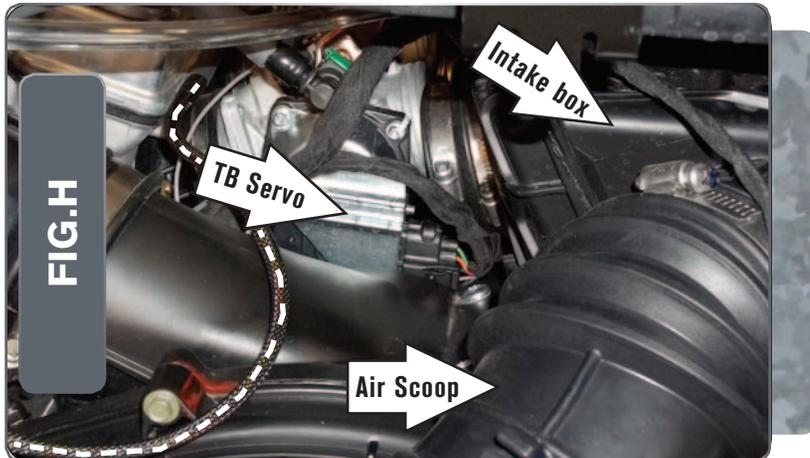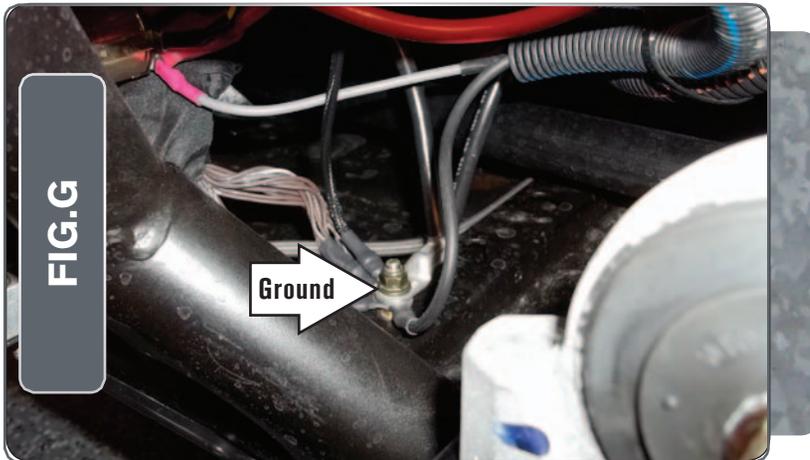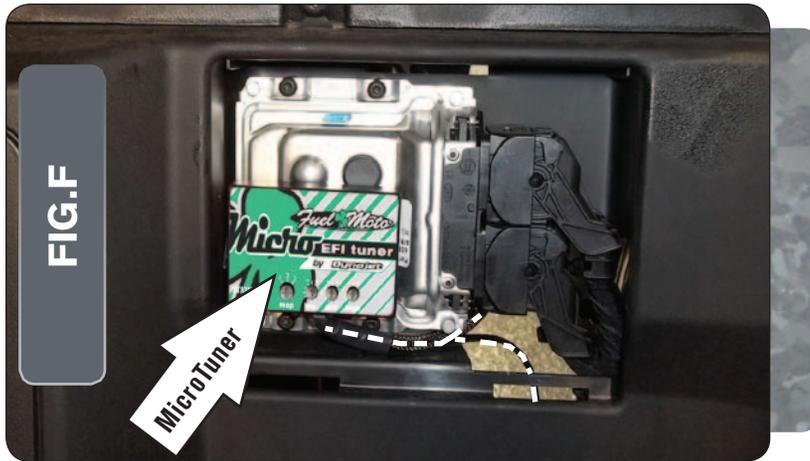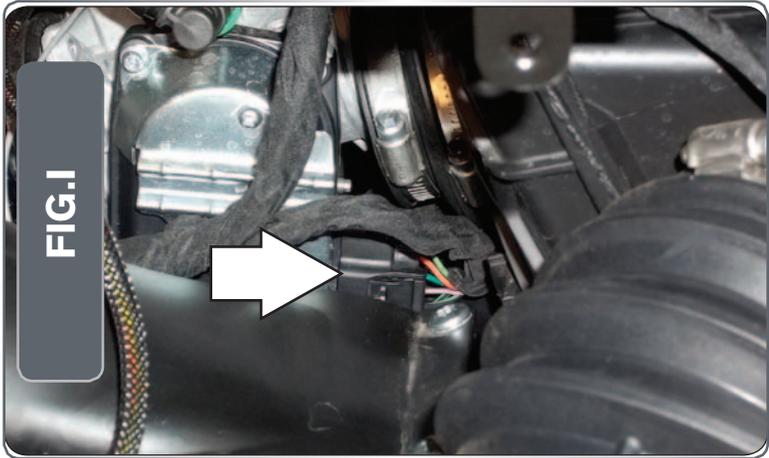
10   Unplug the electrical connector for the throttle body servo on the left side of the throttle bodies as shown in Figure I.

FIG.J

Posi-Tap

1 Insert Hot Wire

2 Tighten

3 Strip Leads

4 Insert & Tighten
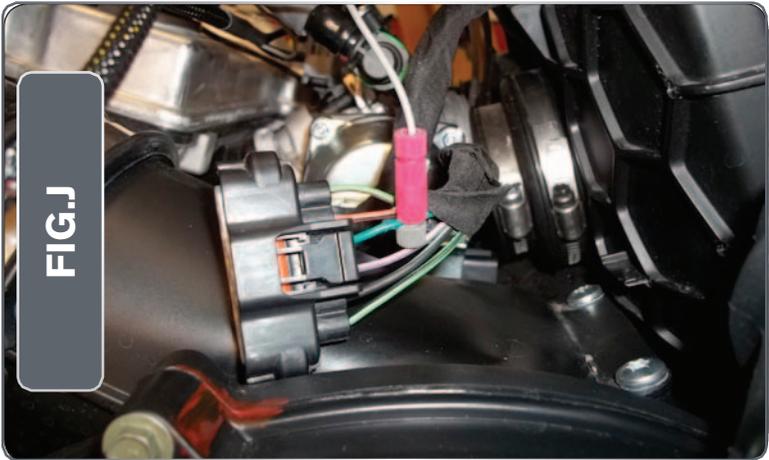
11   Using the supplied posi-tap, attach the single unterminated grey wire from the MicroTuner to the stock dark green wire on the Throttle Body Servo wiring harness as shown in Figure J.

12   Plug the stock connector back onto the throttle body.


FIG.K
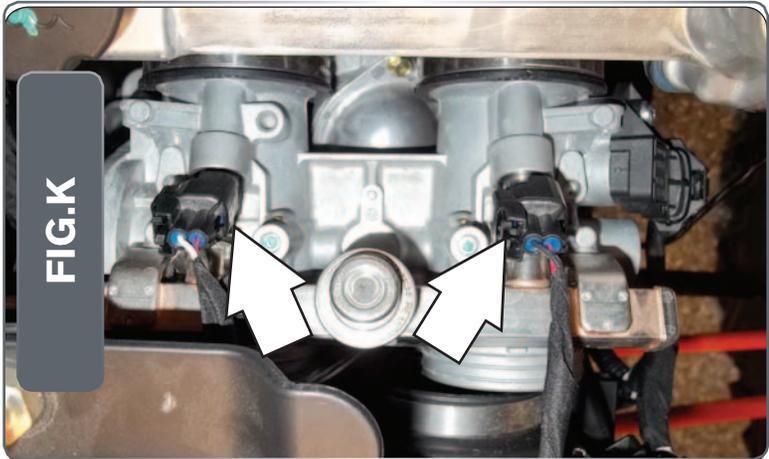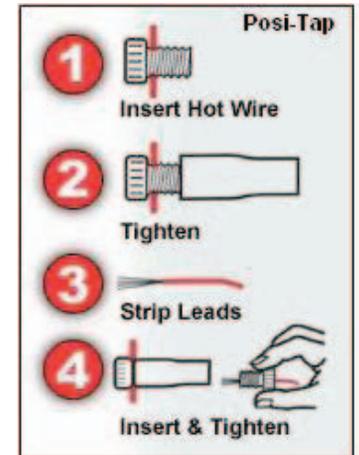
13   Unplug the stock wiring harness from both of the fuel injectors as shown in Figure K.

The fuel injectors are located at the top of the throttle bodies.

FIG.L

14   Attach the connectors from the MicroTuner with the orange colored wires to the #1 (left) cylinder injector and stock wiring harness.

15   Attach the connectors from the MicroTuner with the yellow colored wires to the #2 (right) cylinder injector and stock wiring harness as shown in Figure L.

16   Reassemble the intake.

17   Reinstall the two panels and the driver's seat.
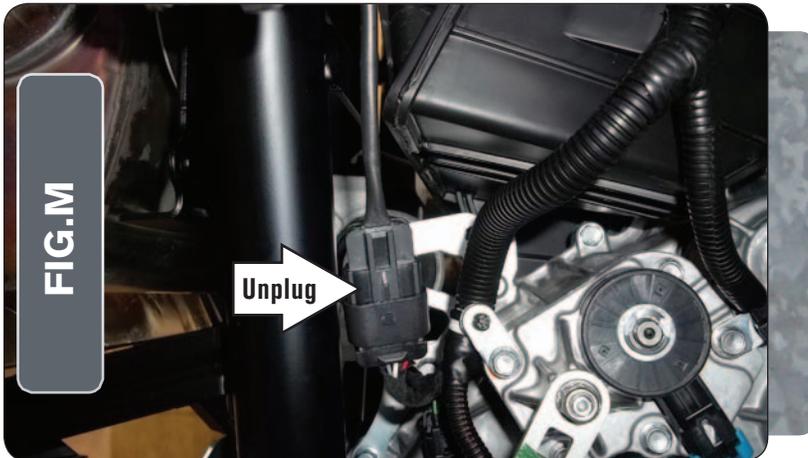
Unplug

FOLLOW STEPS 18-19 FOR THE 2015-2016 XP1000 MODELS ONLY

18   Locate the stock O2 sensor in the exhaust (Fig. M). Unplug the stock wiring harness and plug the O2 Optimizer into the harness. The stock sensor will no longer be connected to anything and can be removed from the exhaust if desired.

19   Reassemble the intake.

20   Reinstall the two panels and the driver's seat.

USB Port
HIGH RPM Dial
MID RPM Dial
LOW RPM Dial
MAP Select
STATUS Light

Position	Note
Position 1	2015-2016 Polaris RZR 900 Stock exhaust Stock or aftermarket air filter
Position 2	2014 Polaris RZR XP1000 Stock exhaust Stock or aftermarket air filter
Position 3	2015-2016 Polaris RZR XP1000 Stock exhaust Stock or aftermarket air filter

Selecting the Map Position

The Fuel Moto Micro EFI Tuner can hold up to ten maps. Using a #1 Phillips screwdriver, turn the map select dial to toggle between the loaded maps. The module comes preloaded with a stock map (see table to left)

Using the RPM Range Dials

The Low, Mid, and High RPM Dials refer to the RPM range, in thirds, of your vehicle. Each dial allows +/- 10% fuel adjustment on top of what fuel changes are done in the map. With the dial facing straight up, there is no additional fuel change

For example, if your vehicle revs to 9000 RPM:
•The low RPM dial will adjust 0-3000 RPM
•The mid RPM dial will adjust 3001-6000 RPM
•The high RPM dial will adjust 6001-redline

Using Fuel Moto Micro EFI Tuner Control Center

Take your tuning to the next level with the Fuel Moto Micro EFI Tuner Control Center software.

1   Go to https://www.fuelmotousa.com/p-28236-fuel-moto-micro-efi-tuner.html to download the software

2   Click Install Software and follow the on-screen instructions to install the Micro Tuner software. The Micro EFI Tuner software and maps will be stored in C:\ Program Files\Fuel Moto Micro EFI Tuner Control Center.

Loading Additional Maps

1   Connect the USB cable from the computer to the Fuel Moto Micro EFI Tuner Module. Verify the cable is fully seated in the Fuel Moto Micro EFI Tuner Module.

2   Run the Fuel Moto Micro EFI Tuner Control Center software by double-clicking the program icon installed on your desktop or on your start menu.

3   Click Open Map File and select a map file.

4   Click Send Map. You can send the map to any of the ten map positions .

Altering Maps Using Software

The values in the map represent a percentage of fuel change over stock. A value of 10 in the map indicates at that throttle position and RPM range the vehicle will be 10% richer than stock. If the value is -10, then it would be 10% leaner than stock. You have the ability to fine tune your fuel curve by altering these values . The Control Center software allows a value of +250 to -100 in each cell.