Fuel Moto

FUEL MOTO MICRO EFI TUNER
INSTALLATION INSTRUCTIONS

2013-2016 SPORTSMAN/SCRAMBLER 850

2014-2016 SCRAMBLER 1000

2015-2016 SPORTSMAN 1000

STATUS

1 2 3
map low mid high

Micro EFI tuner
by Dynojet

PARTS LIST

1	Micro Tuner Module	1	Installation Guide
1	USB Cable	2	Velcro strips
1	Alcohol swab		

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

1   Remove the seat and front fenders as shown in Figure A.

2   Remove the air box.

FIG.B

3   Using the supplied velcro, secure the MicroTuner on top of the stock battery as shown in Figure B. Make sure that the unit is installed to the rear, left corner of the battery.

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

4   Attach the ground wire from the MicroTuner to the negative side of the battery.

5   Route the MicroTuner harness to the left side of the quad following the upper frame tube.

FIG.C
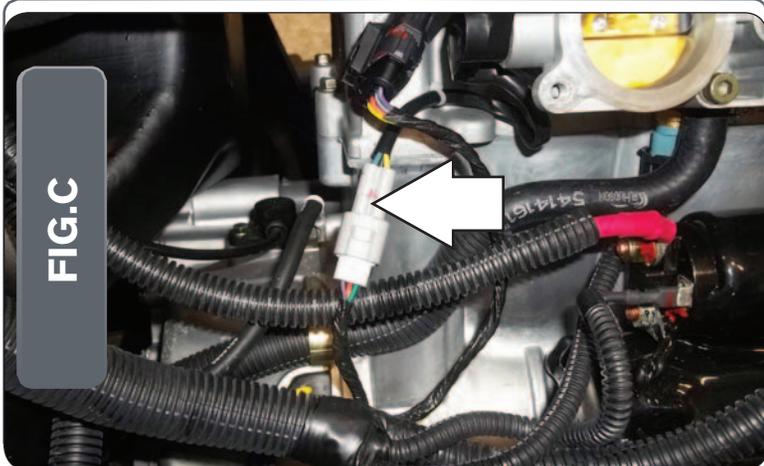
6   Unplug the stock wiring harness from the throttle position sensor (TPS) as shown in Figure C.

     This connection is a 3-pin connector. One side is grey and the other is white and it is located on the front side of the throttle bodies as shown in Figure C.

FIG.D

MicroTuner

MicroTuner
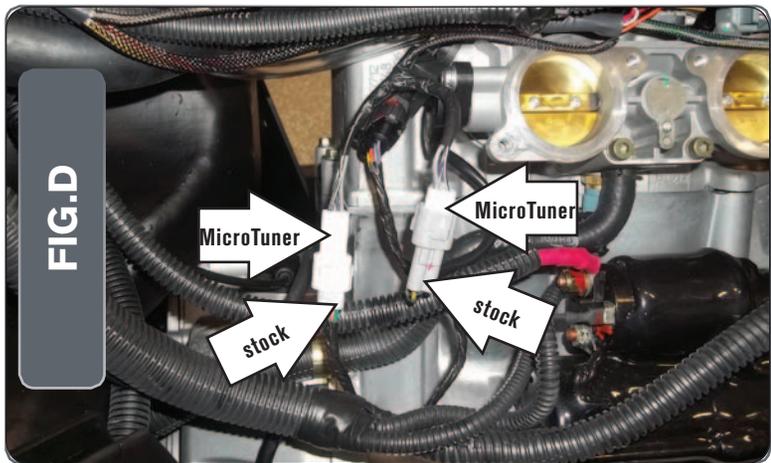
stock

stock

7   Attach the connectors from the MicroTuner to the stock TPS and wiring harness as shown in Figure D.

FIG.E
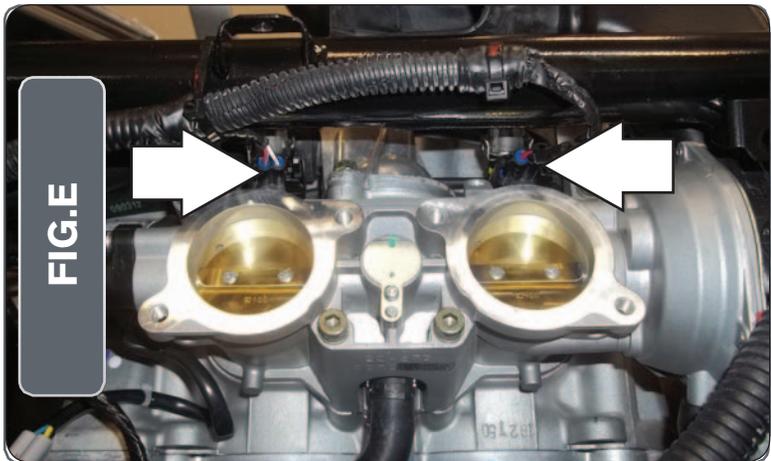
8   Unplug the stock wiring harness from each injector as shown in Figure E.

FIG.F
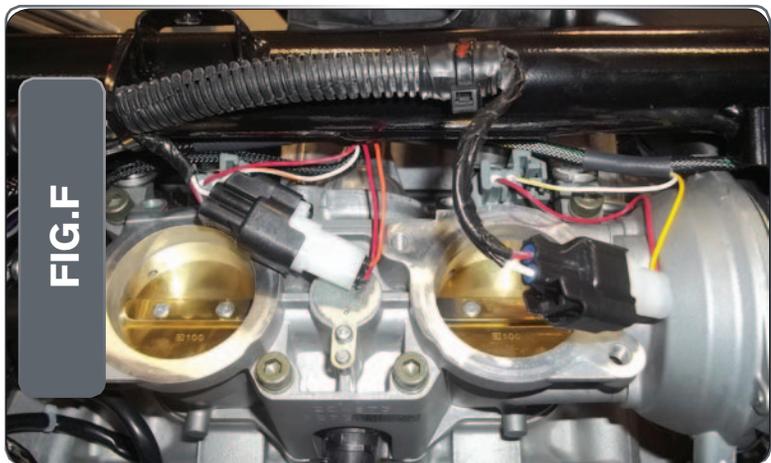
9   Attach the connectors from the MicroTuner to the injectors and stock wiring harness as shown in Figure F.

Connect the orange colored wires from the MicroTuner to the left cylinder.

Note: *Make sure the MicroTuner harness is routed above the throttle bodies so they do not get pinched when reinstalling the air box.*

10   Reinstall all bodywork.

USB Port

HIGH RPM Dial

MID RPM Dial

LOW RPM Dial

MAP Select

STATUS Light

Position	Note
Position 1	2013-2016 Polaris Scrambler 850 Stock exhaust Stock or aftermarket air filter
Position 2	2013-2016 Polaris Sportsman 850 Stock exhaust Stock air filter
Position 3	2014-2016 Polaris Scrambler 1000 Stock exhaust Stock 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 maps (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.