



FUEL MOTO MICRO EFI TUNER INSTALLATION INSTRUCTIONS

2006-2017 YAMAHA RAPTOR 700



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

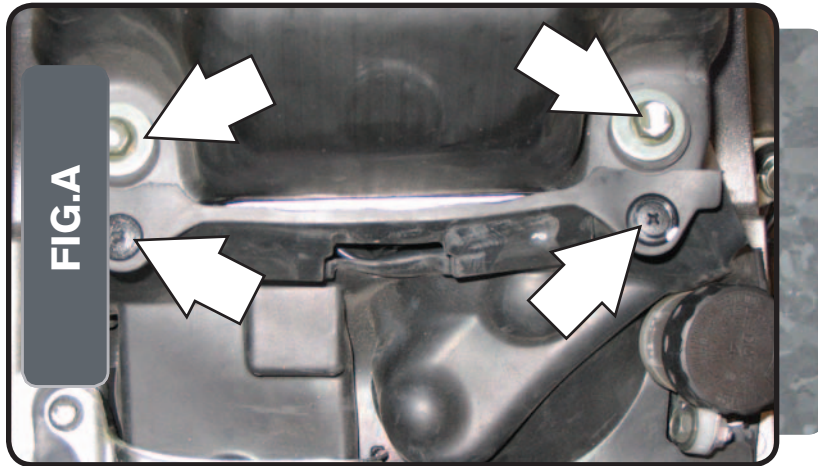
Note: Fuel Moto USA and Fuel Moto Micro EFI Tuner fuel management systems are not legal for use or installation on motor vehicles operated on public highways in the State of California or other States where similar emission and decibel regulation laws may apply. The user shall determine suitability of 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

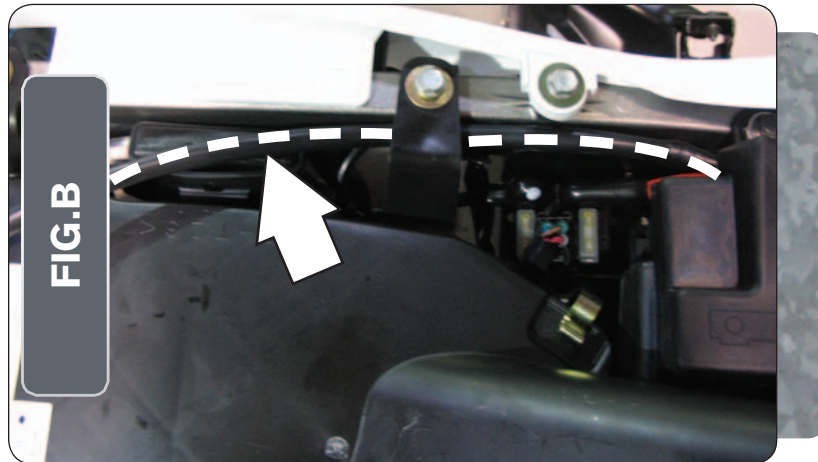
Phone: 920-423-3309

www.fuelmotousa.com



- 1 Remove the seat.
- 2 Remove the fuel tank cover and the front shroud over the radiator.
- 3 Remove the four fuel tank mounting bolts and two push pins. Figure A shows the two rear mounting bolts and two push pins.

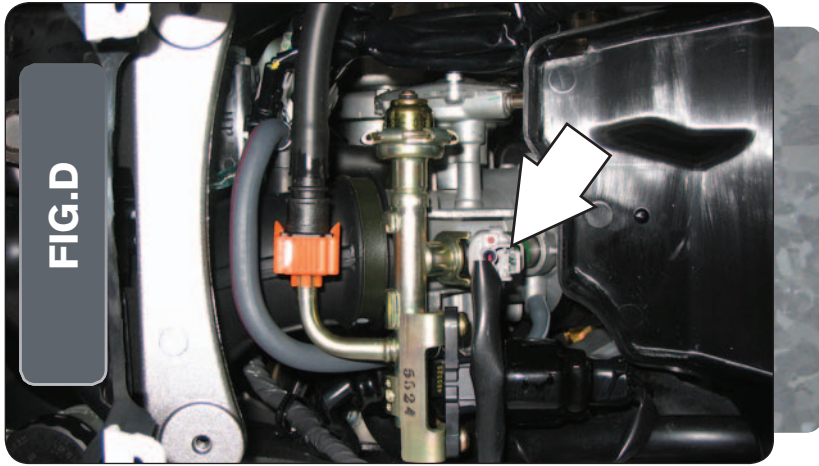
Note: The fuel tank needs to be raised up to access the throttle body. You do not need to disconnect the wiring harness or the fuel line from the fuel tank.



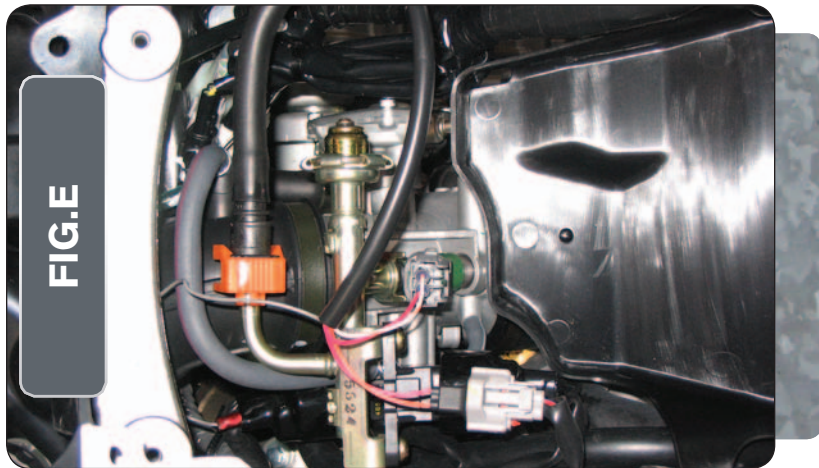
- 4 Route the MicroTuner wiring harness from the rear of the quad to the throttle body along the left hand side of the frame.
Route the harness behind the air box mounting tab as shown in Figure B.



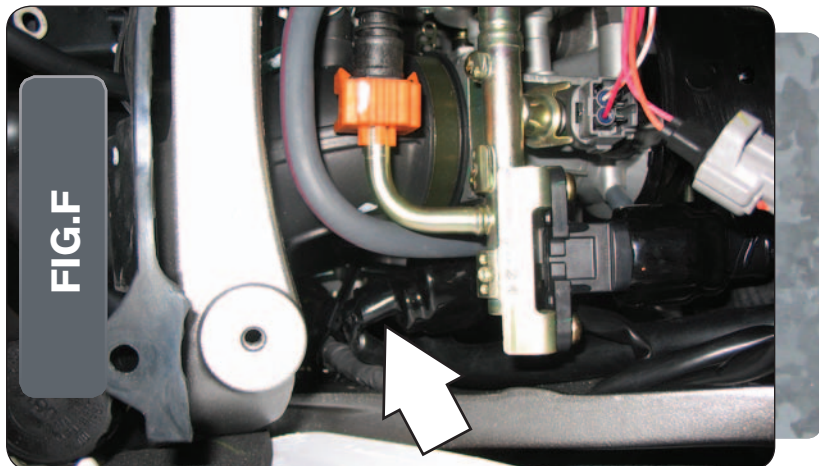
- 5 Route the MicroTuner wiring harness between the battery and the battery bracket as shown in Figure C.
- 6 Continue routing the MicroTuner wiring harness underneath the frame and towards the throttle body.
- 7 Attach the ground wire from the MicroTuner to the negative side of the battery as shown in Figure C.



- 8 Unplug the stock wiring harness from the fuel injector as shown in Figure D.



- 9 Attach the MicroTuner connectors to the fuel injector and stock wiring harness as shown in Figure E.



- 10 Unplug the throttle position sensor (TPS) connector from the right hand side of the throttle body as shown in Figure F.
The TPS connector is covered with a black rubber boot.

FIG.G



- 11 Attach the MicroTuner connectors to the stock TPS connector and wiring harness as shown in Figure G.

FIG.H



- 12 Using the supplied velcro, secure the MicroTuner in the tail section.
Make sure to clean both surfaces with the alcohol swab before attaching.
- 13 Mount the fuel tank back into place.
Verify the wiring harness will not get pinched or damaged.
- 14 Reinstall the seat.



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

Position	Note
Position 1	2006-2014 Yamaha Raptor 700 Stock exhaust Stock air filter Stock airbox
Position 2	2015 -2017 Yamaha Raptor 700 Stock exhaust Stock air filter Stock airbox

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.