



2010 Suzuki RMZ250

Installation Instructions



JUICEBOX PRO[®]
Premium Fuel Controller

PARTS LIST

- 1 Juice Box Pro™
- 1 USB Cable
- 1 TopTune CD-ROM
- 1 Installation Guide
- 2 Velcro strip
- 1 Alcohol swab
- 2 Zip ties

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

DOWNLOAD THE TOPTUNE SOFTWARE AND LATEST MAPS FROM OUR WEBSITE:

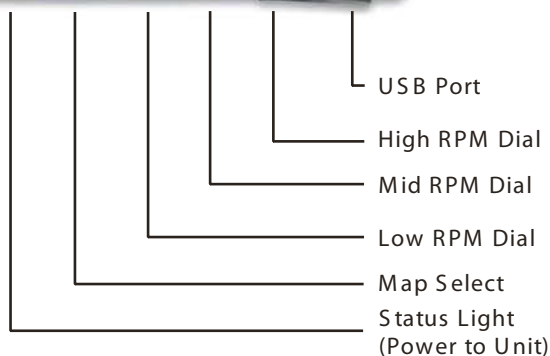
www.twobros.com

PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION

401 S. Grand Ave. Santa Ana, CA 92705
(800) 211-2767 www.twobros.com

JUICEBOX PRO[®]

Premium Fuel Controller



Selecting the Map Position

The Juice Box Pro comes loaded with up to ten maps. Using a #1 Phillips screwdriver, turn the map select dial to toggle between the loaded maps. Refer to the map position table below for the maps included in your Juice Box Pro.

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 15,000 RPM:

- the low RPM dial will adjust 0-5000 RPM
- the mid RPM dial will adjust 5001-10000 RPM
- the high RPM dial will adjust 10001-15000 RPM

Using TopTune

Take your tuning to the next level with the TopTune software.

Installing the TopTune Software

- 1 Insert the CD provided into your computer's cd-rom drive. The launch program will run automatically. If auto-run is disabled, double-click the My Computer icon then double-click the CD drive icon. Double-click TBR TopTune.exe to manually start the CD.
- 2 Click Install Software and follow the on-screen instructions to install the TopTune software. The TopTune software and maps will be stored in C:\Program Files\TBR TopTune.
- 3 Click Map Database. All maps will automatically be installed to the C:\Program Files\TBR TopTune\maps folder.

Loading Additional Maps

- 1 Connect the USB cable from the computer to the Juice Box Pro. Verify the cable is fully seated in the Juice Box Pro.
- 2 Run the TopTune 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 TopTune

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 TopTune software allows a value of +250 to -100 in each cell.

Position 0	Zero map	
Position 1	Stock exhaust Stock air filter	2010 Suzuki RMZ250

Figure A

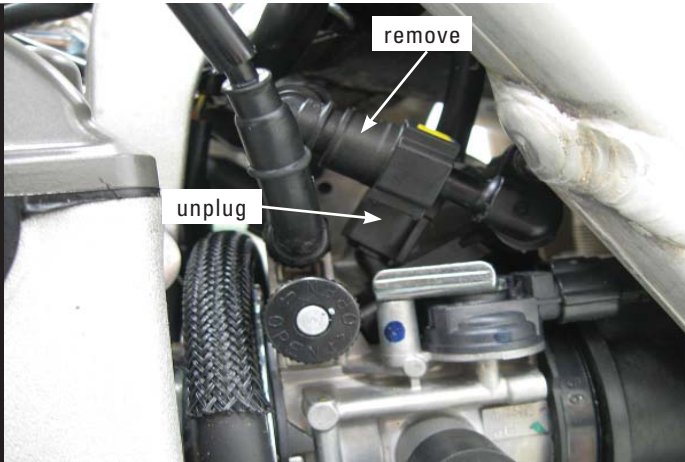
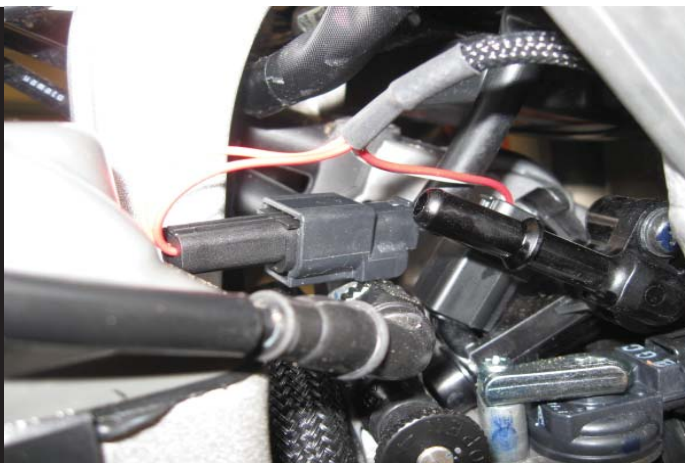


Figure B



Figure C



1. Remove the seat.
2. Remove the fuel tank.
3. Remove the fuel line from the throttle body as shown in Figure A.
This allows access to the fuel injector.
4. Unplug the stock wiring harness from the injector as shown in Figure A.
5. Using the supplied velcro and zip tie, secure the Juice Box Pro to the underside of the stock ECU as shown in Figure B.
This is just above the throttle body.
Make sure to clean both surfaces with the alcohol swab before attaching.
6. Attach the Juice Box Pro harness to the stock injector and wiring harness as shown in Figure C.

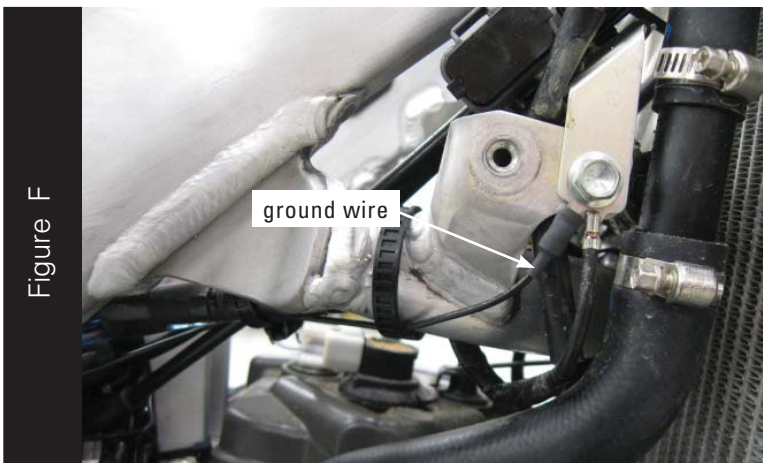
Figure D



Figure E



Figure F



7. Locate the Throttle Position Sensor (TPS) connector.
The TPS is a grey 3-pin connector located on the right side of the throttle body as shown in Figure D.
8. Unplug the TPS connector.
9. Attach the connectors from the Juice Box Pro to the stock TPS connectors as shown in Figure E.
10. Using the supplied zip tie, secure the harness away from the exhaust.
11. Remove the bolt securing the stock ground wire on the right side of the bike as shown in Figure F.
12. Reinstall the bolt first through the Juice Box Pro ground wire then through the stock ground wire.
13. Secure the bolt in the original location.
14. Use the stock zip ties to secure the Juice Box Pro ground wire in place.
15. Reinstall the fuel tank.
16. Reinstall the seat.