



2010 Honda VFR1200

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 O2 Optimizer

THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION!

DOWNLOAD THE TOPTUNE SOFTWARE AND LATEST MAPS FROM OUR WEBSITE:

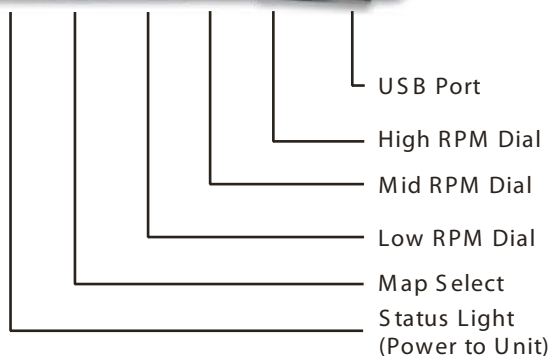
www.twobros.com

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 Top Tune 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 Honda VFR1200
Position 2	Two Brothers Slip-ons Stock air filter	2010 Honda VFR1200

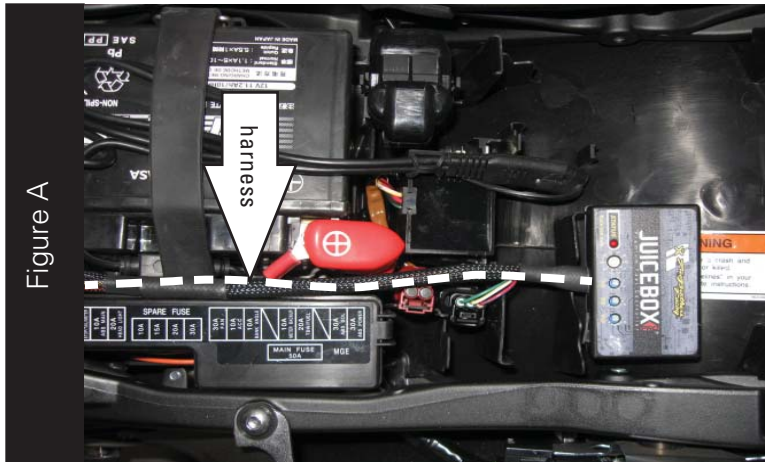


Figure A

1. Remove the seat and side fairings.
2. Remove the cosmetic covers around the fuel tank.
3. Prop the front of the fuel tank up.
4. Secure the Juice Box Pro in the trunk area using the supplied Velcro as shown in Figure A.
Make sure to clean both surfaces with the alcohol swab before attaching.
5. Route the Juice Box Pro harness towards the airbox going along the left side of the bike.

6. Attach the ground wire from the Juice Box Pro to the negative side of the battery as shown in Figure B.



Figure B

7. Remove the rear fuel tank bolt and route the Juice Box Pro harness to the inside of the frame mount as shown in Figure C.

8. Reinstall the tank bolt.

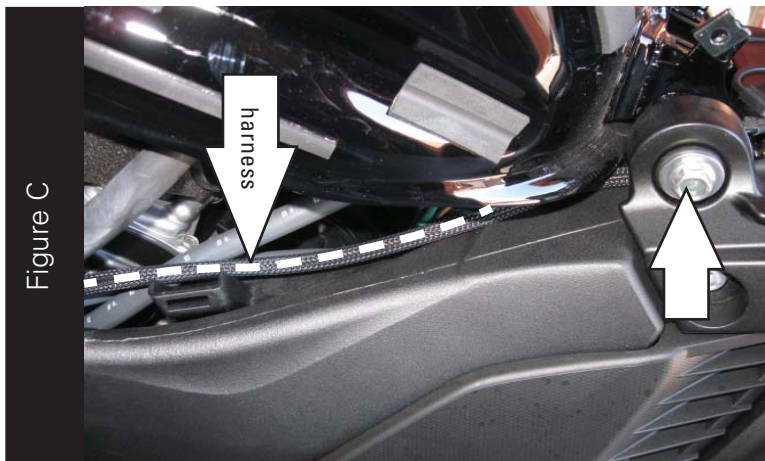


Figure C

9. Locate the black 12-pin connector on the left side of the airbox as shown in Figure D.
10. Unplug this connector.



11. Attach the Juice Box Pro connectors to the stock connectors as shown in Figure E.



12. Using the supplied posi-tap, attach the grey wire from the Juice Box Pro to the blue/black wire of the stock Throttle Position Sensor (TPS) harness. The TPS is shown in Figure E.

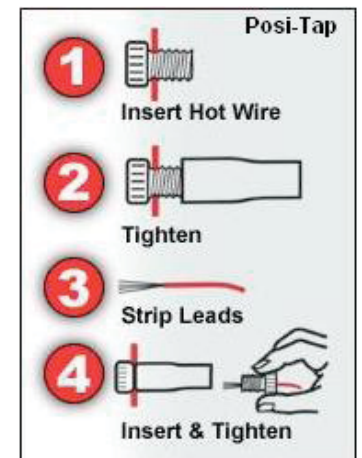
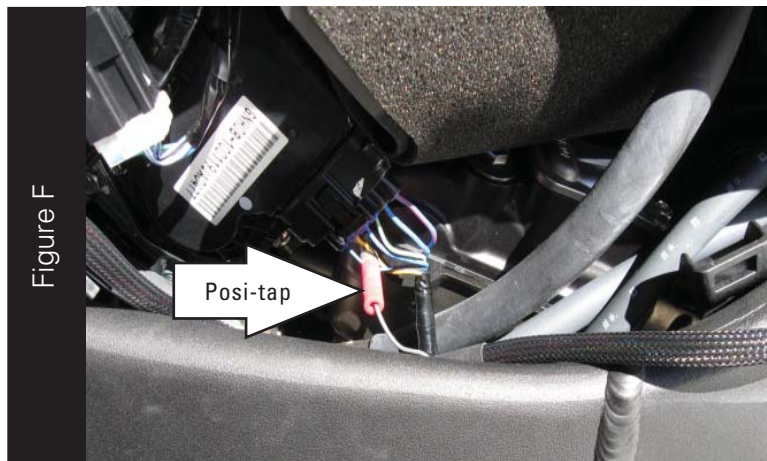
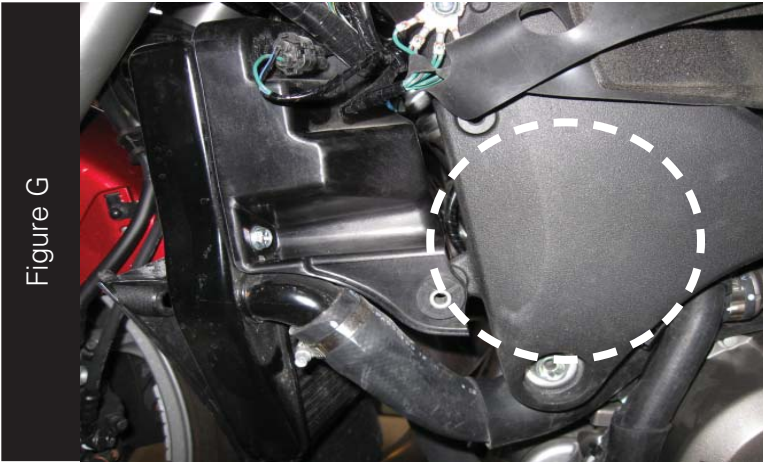


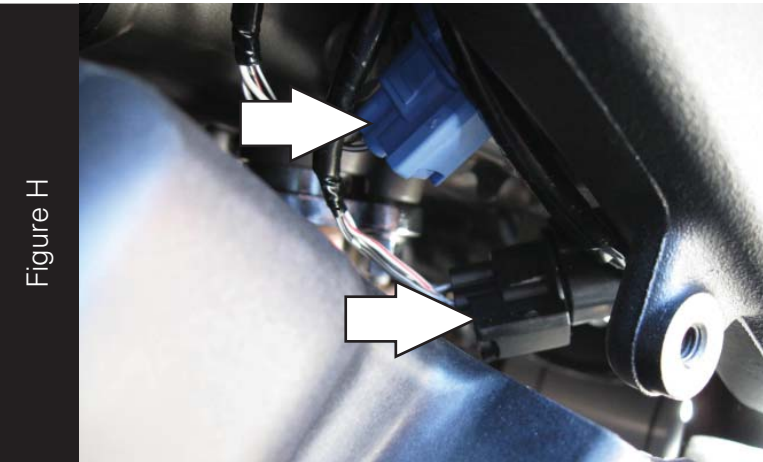
Figure G



13. Locate the stock O2 sensor connectors.

The stock O2 connectors are located to the inside of the frame on the left side of the bike as shown in Figure G. It may make it easier to remove the radiator mounting bolts to access these connections.

Figure H



14. Unplug the stock O2 sensors from the stock wiring harness as shown in Figure H. There is a blue connection and a black connection.
15. Plug the supplied Juice Box Pro O2 Optimizers into the stock wiring harness. The stock O2 sensors will no longer be connected to anything.