2007-08 Suzuki GSXR1000

Installation Instructions

PARTS LIST

1	Juice Box Pro™
1	USB Cable
1	Top Tune CD-ROM
1	Installation Guide
2	Velcro
1	Alcohol swab
1	O2 Optimizer

FOR RACE USE ONLY

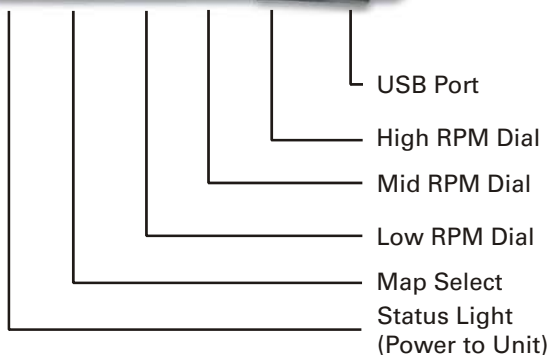DOWNLOAD THE TOPTUNE SOFTWARE
AND LATEST MAPS FROM OUR
WEBSITE:
www.twobros.com

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

USB Port
High RPM Dial
Mid RPM Dial
Low RPM Dial
Map Select
Status Light
(Power to Unit)

Position 0	Zero map	
Position 1	Stock exhaust Stock or aftermarket air filter	2007 Suzuki GSXR1000
Position 2	Two Brothers slip on exhaust Stock or aftermarket air filter	2007 Suzuki GSXR1000
Position 3	Two Brothers dual flange on mufflers Stock or aftermarket air filter	2007 Suzuki GSXR1000

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 Top Tune

Take your tuning to the next level with the Top Tune software.

Installing the Top Tune 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 Top Tune.exe to manually start the CD.
2   Click Install Software and follow the on-screen instructions to install the Top Tune software. The Top Tune software and maps will be stored in C:\Program Files\TBR Top Tune.
3   Click Map Database. All maps will automatically be installed to the C:\Program Files\TBR Top Tune\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 Top Tune 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 Top Tune

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

Figure A

Figure B

Juice Box Pro harness

ground wire

Figure C

unplug stock wiring harness

unplug stock wiring harness

⚠️ WARNING

The ignition must be turned OFF before installation.

1   Remove the seats.
2   Prop the fuel tank up.
3   Place the Juice Box Pro in the tail section as shown in Figure A.
4   Route the Juice Box Pro harness towards the front of the bike.

5   Route the Juice Box Pro harness along the left hand 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.

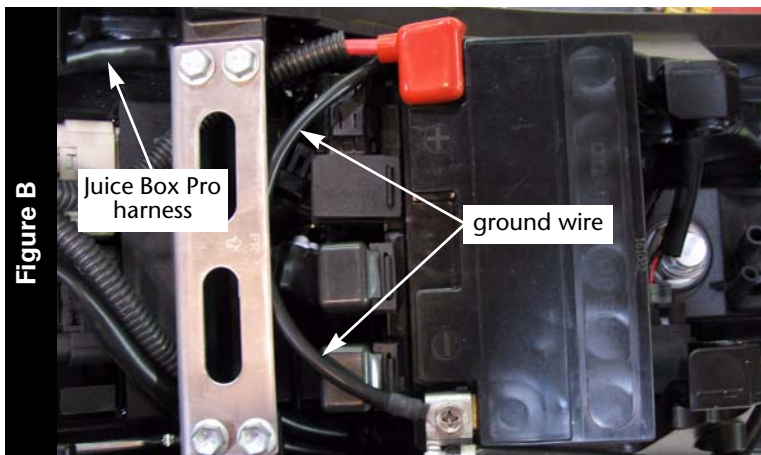7   Unplug the stock wiring harness from each of the lower injectors as shown in Figure C.
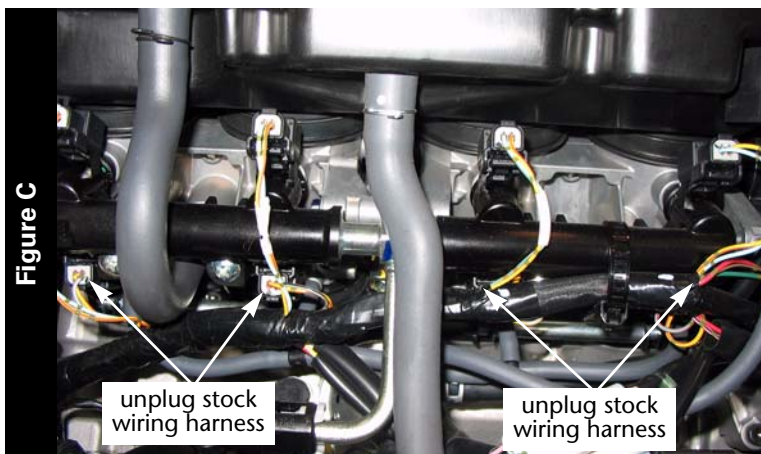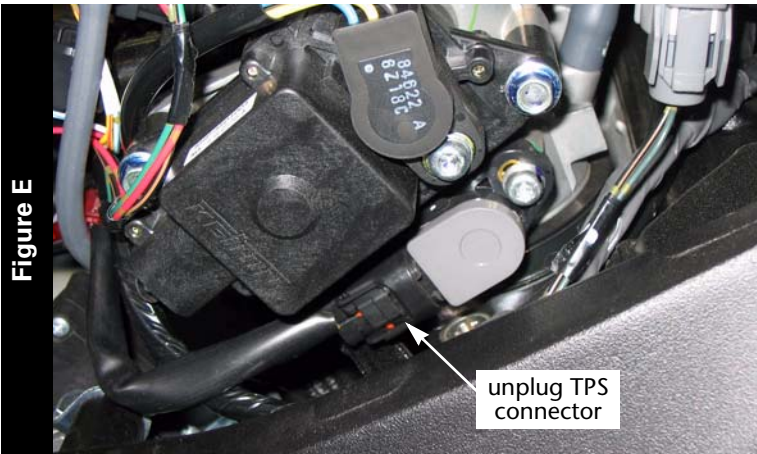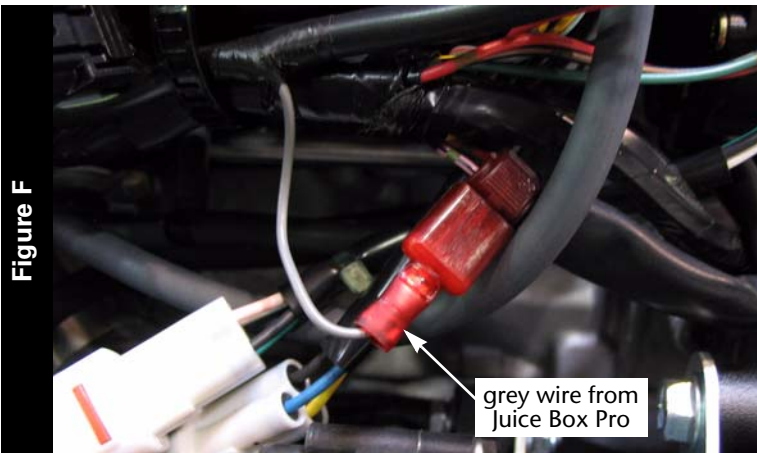
Figure D

8 Attach the connectors from the Juice Box Pro to the stock injectors and stock connectors as shown in Figure D.

Note: Do not connect the Juice Box Pro connectors to the upper injectors. Verify you are on the set of injectors that is below the fuel rail.

- orange wire connects to cylinder 1
- yellow wire connects to cylinder 2
- green wire connects to cylinder 3
- blue wire connects to cylinder 4

Figure E

unplug TPS connector

9 Unplug the throttle position sensor (TPS) connector as shown in Figure E. This will allow easier access to the wires.

10 Crimp the supplied wire tap to the pink/black wire as shown in Figure F.

11 Attach the grey wire from the Juice Box Pro to the wire tap as shown in Figure F.

Note: It is recommended to use dielectric grease on these connections.

12 Attach the TPS connector to the TPS.

Figure F

grey wire from Juice Box Pro

13 Using the supplied velcro, secure the Juice Box Pro in the tail section. Make sure to clean both surfaces with the alcohol swab before attaching.

14 Lower the fuel tank back into place.

15 Reinstall the seats.

Figure G

O2 optimizer

16 Locate the stock O2 sensor.

The O2 sensor is located on the left hand side of the bike.

17 Follow the wires out of the exhaust to the stock wiring harness.

18 Unplug the sensor from the stock wiring harness.

19 Attach the O2 optimizer into the stock wiring harness.

The stock sensor is no longer needed.