



2006-07 Honda CBR1000RR

Installation Instructions



JUICEBOX PRO[®]
Premium Fuel Controller

PARTS LIST

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

FOR RACE USE ONLY

DOWNLOAD THE TOPTUNE SOFTWARE
AND LATEST MAPS FROM OUR
WEBSITE:

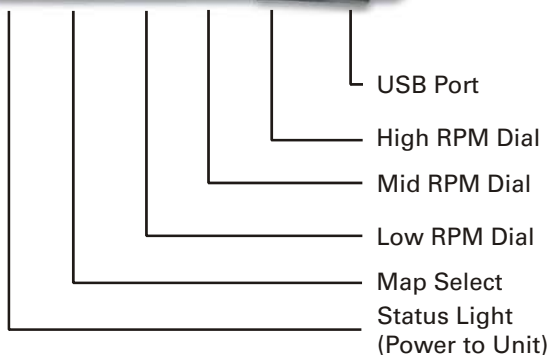
www.twobros.com

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



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 TopTune.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 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 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.

Position 0	Zero map	
Position 1	Stock exhaust Stock or aftermarket air filter	2006 Honda CBR1000RR
Position 2	Two Brothers slip-on exhaust Stock or aftermarket air filter	2006-2007 Honda CBR1000RR

WARNING

The ignition must be turned OFF before installation.

- 1 Remove the main seat and the passenger seat.
- 2 remove the fuel tank cover.
- 3 remove the two bolts for the rear tail section as shown in Figure A.
- 4 Remove the left hand side mid fairing.
- 5 Temporarily lay the Juice Box Pro in the tail section.
- 6 Route the Juice Box Pro harness towards the front of the bike.
Keep the harness between the outside of the sub-frame and inside the tail section as shown in Figure B.
- 7 Gently pull out on the lower left hand side of the tail section to allow room for the harness.
- 8 Route the harness between the battery and the sub-frame and go towards the throttle bodies.
- 9 Remove the fuel tank stop bracket to route the Juice Box Pro harness underneath it as shown in Figure C.

Figure A



Figure B

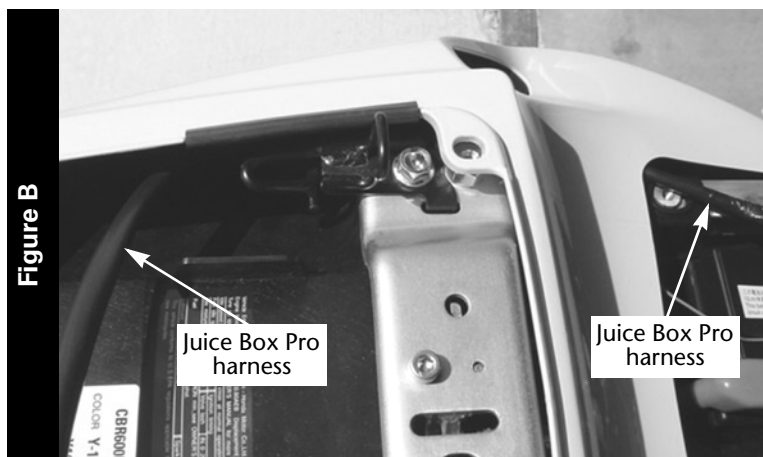


Figure C

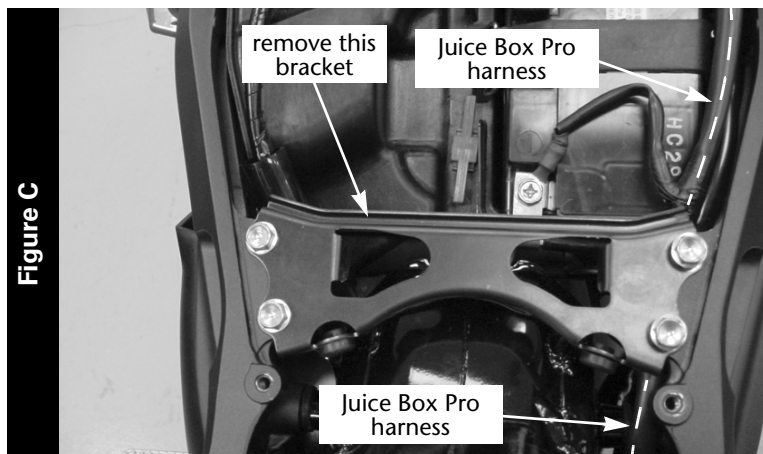
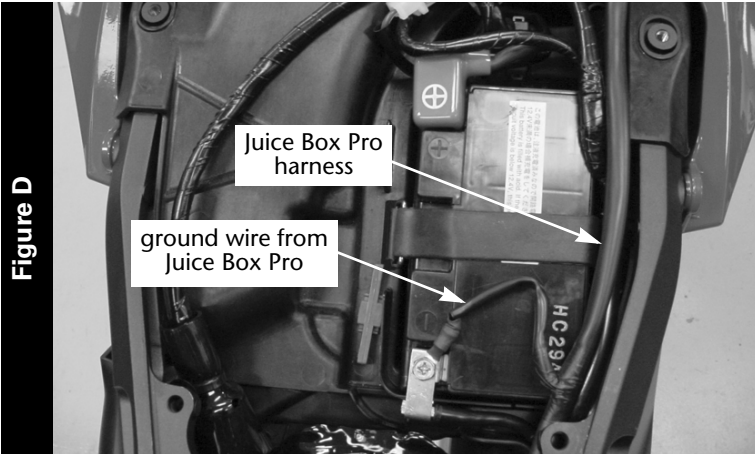
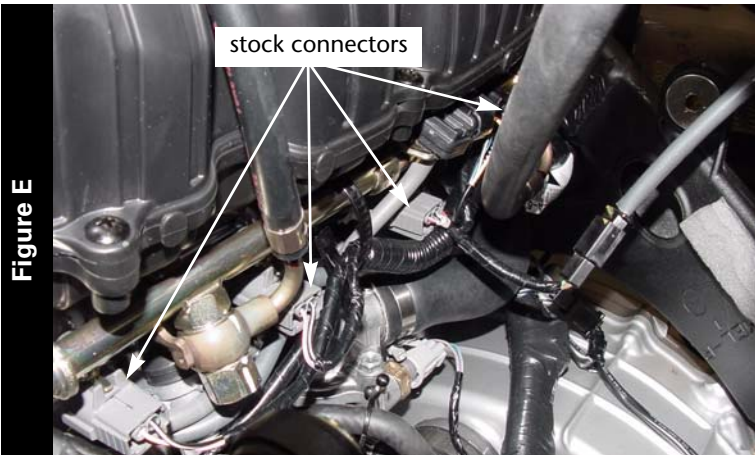


Figure D



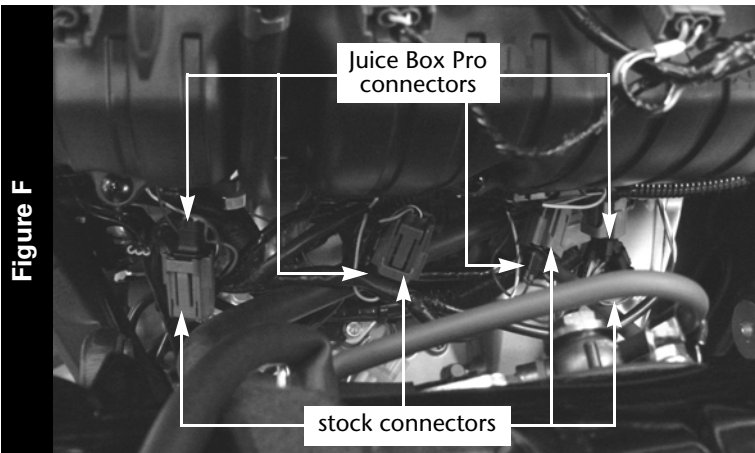
- 10 Attach the ground wire from the Juice Box Pro to the negative side of the battery as shown in Figure D.
- 11 Reinstall the fuel tank stop bracket.
- 12 Rotate the fuel tank upwards and hold in this position.

Figure E



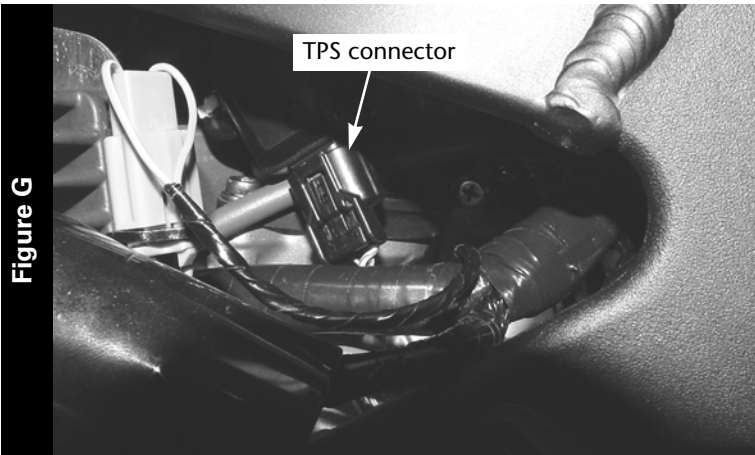
- 13 Unplug the stock wiring harness connectors from the throttle bodies as shown in Figure E.
Note: This bike has a set of upper and lower injectors. Make sure to connect the Juice Box Pro to the lower set of injectors at the throttle bodies.

Figure F



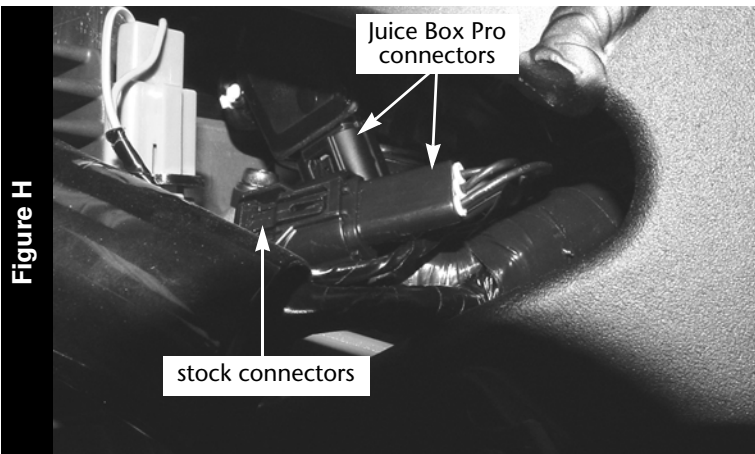
- 14 Attach the Juice Box Pro connectors to the stock wiring harness and throttle bodies as shown in Figure F.
Connect the orange Juice Box Pro wires to the far left cylinder (cylinder #1) and continue to the right.

Figure G



- 15 Locate the throttle position sensor (TPS) connector.
This connector is located on the left hand side of the throttle bodies as shown in Figure G.
- 16 Unplug the TPS connector from the throttle bodies.

Figure H



- 17 Attach the TPS connectors from the Juice Box Pro to the throttle bodies and the stock wiring harness as shown in Figure H.

Figure I



- 18 Secure the Juice Box Pro in the tail section as shown in Figure I.
Note: It is not necessary to use the supplied velcro unless desired. Make sure to clean both surfaces with the alcohol swab before attaching.
- 19 Reinstall the left hand side mid fairing.
- 20 Reinstall the rear tail section bolts. Refer to Figure A.
- 21 Replace the fuel tank cover.
- 22 Reinstall the passenger seat and main seat.