



LEVELONE RACING - USA

**SUZUKI / GSX-R 1000 / 2005 - 2006**

**SUZUKI / GSX-R 1000 / 2001 - 2004**

Carbon Fiber / Aluminum

GP Design (two.six.zero / three.three.zero)

Slip-On System (This system is designed for closed course use only)



## Parts List

<b>Qty</b>	<b>Description</b>
1	Muffler (Moto-GP Style, 89mm) 6061 AL or 100% CF
1	Lightweight Slip-On Adapter
1	Low Profile Exhaust Collector Clamp
1	Muffler Clamp
1	Clamp Adjustment Lever (Optional)
2 (2)	Slip-On Adapter Race Springs (double springs – vibration)
1	8mm x 16mm Socket Head Button Screw (Optional)
1	8mm Hex Nuts (Optional)
1	8mm External Tooth Lock Washer (Optional)
1	8mm Lock Washer(s) (Optional)
1	Black High Temp Rubber Clamp Gasket
1	LevelOne Racing, High Temperature Decal
1	Spring Puller Tool

Read through the complete instruction manual before beginning the installation.

Other tools/parts needed:  
High Temperature RTV Silicone (such as Permatex Ultra Black).  
Light/Medium Grade Thread Locker

### Installation Instructions

- 1 After bike is cool make sure the bike is secured before beginning the installation.
- 2 Remove the right side fairing. Disconnect the exhaust valve cables from the servo located near the rear single shock (refer to the owners manual for more information on removal).
- 3 Remove the stock exhaust from the bike. Unbolt the exhaust mount on the rear peg and the frame chassis mount. Loosen the collector clamp and remove the stock system.
- 4 Apply a small amount of high temperature silicone (such as Permatex Ultra Black) to the inside of the exhaust inlet.
- 5 Attach the LOR exhaust canister to the slip-on tube adapter with the spring tabs aligned (make sure your hands are protected with a pair of gloves in case the tubes slip). You may have to squeeze the mid-pipe adapter tube to fit into the exhaust inlet as the mandrel bends may become slightly out of round due to a cut near the bend (the tube will take form once connected). Slide the canister all the way until the slip-on adapter seats fully against the exhaust inlet. Wipe off any excess silicone.
- 6 Place each spring over the exhaust side spring tabs and use the spring tool to pull the springs over the adapter spring tabs. Both springs must be secured for proper installation.
- 7 Apply a small amount of silicone sealer (such as permatex Ultra Black or Ultra Copper) to the inside (inlet side) of the slip-on adapter. Slide the low profile barrel clamp over the LevelOne Adapter pipe. Slide the slip-on adapter pipe over the stock header collector. Do not fully tighten the barrel clamp.

- 8 Place the round canister clamp with the rubber gasket over the rear of the exhaust and slide to the estimated clamp location. Insert the original stock screw through the exhaust clamp and finally through the foot peg. On the opposite side (towards the bike) place the stock lock washer and stock nut and start the thread. Do not fully tighten as you may need to adjust for a perfect fit.
- 9 Once everything is aligned correctly tighten fully. Be sure to fully tighten the lever to the canister clamp.
- 10 Fully tighten the low profile barrel clamp over the stock header.
- 11 *Complete the wiring modification on the following page(s) to disable the SET Valve.*
- 12 Before you start the bike make sure all fingerprints and dirt have been removed from the canister and slip-on adapter. You may use rubbing alcohol to clean the slip-on adapter. After 75-100 miles check all bolts, etc for tightness. It is recommended to apply some light – medium grade thread locker to prohibit any bolts from loosening under the vibration from the bike.
- 13 Enjoy your LevelOne Racing exhaust system...

#### Cleaning/Warranty

Please keep the exhaust system free of dirt and moisture. For cleaning use a mild cleaner with a soft cloth. Use rubbing alcohol on the mid-pipe adapter only (do not use rubbing alcohol on the satin black or carbon fiber canister).

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### Wiring Modification (2005-2006 models)

- 1 In order for your new LevelOne Racing exhaust to work properly it is required that you disable the SET (Suzuki Exhaust Tuning) system. This simple procedure will enable your engine to run at full power.
- 2 Remove the rear seat/cover and remove the brace over the ECU. Remove the 4 bolts fastening the brace.
- 3 Turn the ignition off and remove the key. Disconnect the grey wiring harness from the ECU.
- 4 Remove the orange cover on the plug by simply pressing the orange tabs apart and remove the orange cap.
- 5 The wire to disable is the *Black wire with a Brown stripe*. This wire is located on the top row in position 8 (from the left) shown in figure 2. Insert a wire tool or a small flathead screw driver into the slot and push upward to unlock the indicated wire and pull it from the harness.
- 6 Tape the wire off with electrical tape or shrink tubing and securely fasten to the existing wires.
- 7 Put the orange cover back on the grey wiring harness.
- 8 Plug the grey wiring harness back into the ECU.
- 9 Screw the 4 bolts back into the brace and replace the rear seat/cover.

### Diagram

2005-2006 GSX-R Model

#### Grey Wire Harness Plug

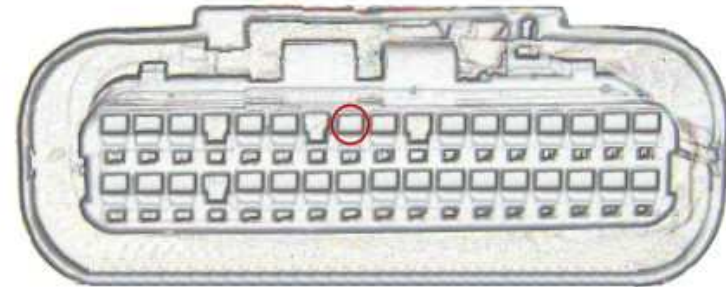


Figure 2

### Wiring Modification (2003-2004 models)

- 1 In order for your new LevelOne Racing exhaust to work properly it is required that you disable the SET (Suzuki Exhaust Tuning) system. This simple procedure will enable your engine to run at full power.
- 2 Turn the ignition Off, remove the main seat and disconnect the engine wire harness connectors from ECU.
- 3 Press the white plastic locking plate on the ECU connector (with 34 pins) to unlock connector pins.
- 4 Pull out black wire with brown stripe. (see Fig. 3)
- 5 Press the two small white rectangular plastic tabs on ECU connector to lock connector pins. The white plastic lock plate should simply click into place when all the remaining pins are against the connector.
- 6 Tape (with electrical tape) and secure disconnected wire.
- 7 Reconnect engine ECU and reinstall the main seat.
- 8 Leave the SET Servo under the tank connected (Do not disconnect).

### Diagram

2003-2004 Model GSX-R1000

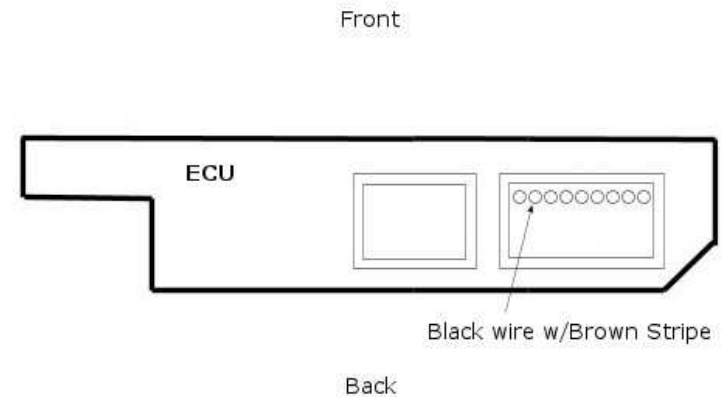


Figure 3