

# 2001-2006 Suzuki GSXR 1000 Shorty GP Exhaust



**\*\*We recommend tuning your motorcycle after the installation of this exhaust. This exhaust requires the removal of your Exup Valve and Servo.**

**\*\*\*This guide will detail how to remove your factory exhaust system as well as re-installing your factory exhaust system with EXUP VALVE SERVO.**

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## **Parts**

- 1 Slip-on
- 2 Phillips screws
- 1 Baffle Screw

**\*Disclaimer: This item may or may not be legal within your state or country. This exhaust is for off-road and show use only. We are not liable for any damages that may occur from the use of this product. Professional installation and tuning is recommended for best performance. If you do not agree to these terms, please return the item.**

**Note: It is normal for some fiberglass packing to come out of the exhaust during the initial start-up and break-in period. The break-in period is approximately 200 miles.**

**This exhaust comes fully assembled with a baffle and exhaust packing already installed. Figure 0.1 is the baffle that is inside the exhaust. The baffle is a straight through design to allow maximum exhaust flow with minimal restriction.**

Figure 0.1



#### **Tools Needed**

- Allen Wrenches
- 10mm Socket Wrench
- 10mm Wrench
- 8mm Socket Wrench
- 8mm Wrench

#### **Step 1**

##### **Remove Lower right Fairing from Motorcycle**

#### **Tools Required**

- Allen Wrench
- Phillips Screwdriver

#### **Parts**

- None

1. Remove all Allen wrench screws that are holding the lower right fairings. There are 7 Allen screws on the right fairing and 6 black plastic screws. The plastic screws require a small allen

wrench to remove. To remove, push the center of the plastic screw in and remove the plastic screw. Figure 1.1

FIGURE 1.1



Note: There are 2 Phillips screws under the right fairing that need to be removed. They are located on the inside of the right fairing, under the "I" in SUZUKI.

2. Once screws have been removed, carefully disassemble the right fairing.
3. The right fairing should be off of the motorcycle.

## Step 2

### Remove factory exhaust system and Exup valve

#### **Tools Required**

- 10mm Socket Wrench
- Allen Wrench

#### **Parts**

- none

1. Unbolt the exhaust clamp with a 10mm wrench. Figure 2.1

FIGURE 2.1



2. Unbolt the exhaust bolt that is mounted to the right passenger foot peg with two 10mm wrenches. Figure 2.2

FIGURE 2.2



3. Unbolt the exhaust support bolt with a 10mm wrench. Do not remove your factory exhaust yet!!! You will need to unhook your EXUP valve cables before taking off your muffler. Figure 2.3

FIGURE 2.3



4. Remove your motorcycle seat by removing 2 Allen wrench screws. After the removal of screws, lift the front of your motorcycle seat and slide forward. Figure 2.4

FIGURE 2.4



5. Remove 2 gas tank bolts with an Allen wrench and lift up your gas tank. (You can prop up your gas tank with a cardboard box.) This will allow removal of your EXUP VALVE SERVO. Figure 2.5 & 2.51

FIGURE 2.5



FIGURE 2.51



6. Remove your EXUP valve by unscrewing 2 Allen screws. Figure 2.6

FIGURE 2.6



7. Remove the EXUP servo bracket. Figure 2.7

FIGURE 2.7



8. Use an 8mm wrench and a 10mm wrench to loosen the EXUP silver cable. You will need to turn the 10mm lock nut counter clockwise and keep the 8mm nut from moving, use your 8mm wrench to hold the 8mm nut. There will be 2 cables next to one another, silver and black. Move the silver cable all the way down. Figure 2.8 and 2.81

FIGURE 2.8



FIGURE 2.81



9. Unhook your EXUP VALVE SERVO cables. The Silver cable will unhook first. After you unhook the Silver cable, Pull the EXUP VALVE SERVO unit up until you have enough room to unhook the Black cable. The Black cable is spring loaded and can be pulled up to allow enough room for removal. Figure 2.9

FIGURE 2.9



10. Unplug the 2 wired connector of the EXUP VALVE SERVO to remove. Unplug the white and clear plugs. Do not unplug the green plug!!! Figure 2.10

FIGURE 2.10



11. Now that the EXUP valve servo is removed, remove your factory muffler by sliding it off your headers. Your factory exhaust and servo should be off of your motorcycle at this point.

### Step 3

#### Attaching your new Slip-on Pipe

##### **Tools Required**

-10mm wrench

##### **Parts**

- Slip-on short pipe  
- Clamp

1. Slide the Pipe and Clamp over your header.
2. Tighten the bolt on the clamp with a wrench.

**Note:** We recommend adding safety wire (not included) to the exhaust clamp to ensure it does not fall off the motorcycle if the clamp bolt gets loose from vibration. Retighten the bolt on the clamp to ensure it is secure after break in period.

FIGURE 3.2





## Step 4

### Mounting the Fairing, lower your gas tank, and install seat

#### Tools Required

- Allen Wrench
- Phillips Screw Driver

#### Parts

- Lower Fairings
- Seat

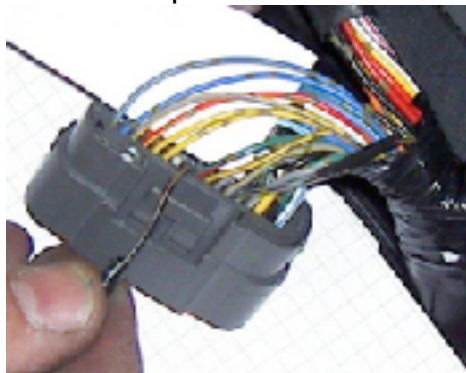
1. Re-install the lower fairings, gas tank, and seat. Make sure all bolts and screws are tightened.
2. The final outcome should look like Figure 4.1

FIGURE 4.1



#### Getting rid of your F1 light

1. **K1-K4 ONLY:** To prevent the 'F1' light from showing on the GSX-R 1000 K1-K4 disconnect pin 33 (black/brown wire) from the light grey connector block to the main 'ECU' located under the rider seat.
2. **K5 ONLY:** To prevent the 'F1' light from showing on the GSX-R 1000 K5 disconnect pin 8 black/brown wire (next to blank) from the light grey connector block to the main 'ECU' located under the rider seat. See picture below.



## **Reinstalling your factory exhaust**

### **Tools Required**

- Allen wrench
- 8 mm wrench
- 10 mm wrench
- Two 10 mm wrenches

### **Parts**

- Factory muffler
- EXUP valve servo
- EXUP valve cables

1. Remove your seat.
2. Lift up your gas tank.
3. Attach your factory muffler to your headers. (make sure that your EXUP valve cables are connected to your factory muffler and fed through the right location. Figure .3

FIGURE .3



4. Tighten all of your factory muffler bolts with a 10mm wrench.
5. Plug in the 2 connectors of the EXUP VALVE SERVO to realign your Servo. Insert your key into the ignition and turn the kill switch on. Make sure that the Servo is vertical. (you need to press the kill switch off when it is in the vertical position. Now that it is aligned, turn off your headlight or your battery will die. Figure .5 and Figure .51

FIGURE .5



FIGURE .51



6. Connect the black cable to the right side of the servo.
7. Connect the silver cable to the left side of the servo.
8. Reinstall the Servo bracket and bolts.
9. Use your 10mm and 8mm wrenches to extend the silver cable. There should be a .53 inch gap.  
Figure .9

FIGURE .9



10. Lower your gas tank and tighten Allen screws.
11. Re-install your seat and the 2 Allen screws.
12. Everything should be stock now.

## **Trouble shooting**

- 1. If your exhaust touches your swing arm**
  - a. Your slip on may be mounted wrong, adjust your exhaust and tighten clamp.
  
- 2. If your exhaust is not sturdy**
  - a. Bolts or screws may be loose, tighten all bolts and screws.
  - b. You may need to use your factory exhaust donut gasket if your bike came with one.
  
- 3. If you have any other problems, contact: [support@radiantcycles.com](mailto:support@radiantcycles.com)**

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**Radiant Cycles**