



401 South Grand Ave., Santa Ana, CA 92705  
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



## 2007-08 Suzuki GSX-R1000

V.A.L.E.™ Full Exhaust System with M-2 Canister  
Part # 005-1780106V / 005-1780107V / 005-1780108V



### Parts List

Qty.	Description	Part Number
1	Muffler Canister	Varies
1	S-Bend Tube	005-17801S
1	Header Kit	005-17801H
1	Oval Muffler Clamp	Varies
1	O2 Adaptor Kit	<b>005-92-22KIT</b>
1	HARDWARE KIT	005-178-3C
1	X-Ring Kit	005-7-2-3KIT
1	GSX-R1000 FI Servo Stop	005-125-05-01
1	GSX-R1000 FI Bracket	005-178-05-01
1	Barrel Clamp	005-27-64MSH
1	GSX-R1000 SS Bolt-on Bracket	005-147-19-3
1	8x35mm Socket Head Cap Screw	005-SH835
1	8x20mm Socket Head Cap Screw	005-SH820
2	8mm Flange Nut	005-FN8
1	Permatex Ultra Black Gasket Maker	031-P22072
1	TBR Sticker Kit	015-10212

### IMPORTANT - PLEASE READ CAREFULLY

We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and exhaust system are completely cool before starting the installation. Also, make sure the bike is secure on a centerstand or ideally a service lift during installation. Be sure to save all stock components for possible use later.

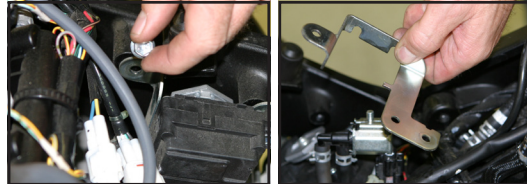
### Installation Instructions

1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on a centerstand or ideally a service lift.

2. Remove seat and fuel tank.



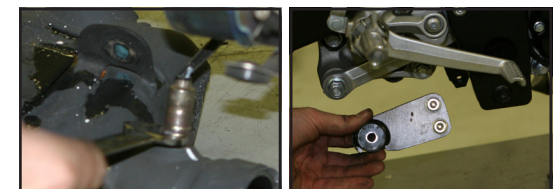
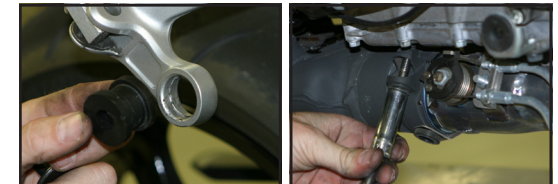
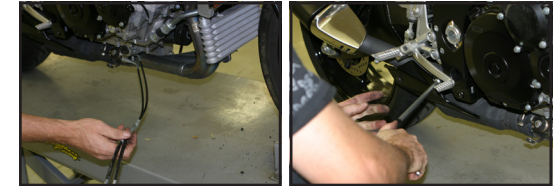
3. Remove servo and servo bracket. Replace with supplied bracket and servo stop (be sure to hold servo wheel when removing so damage to internals does not occur).



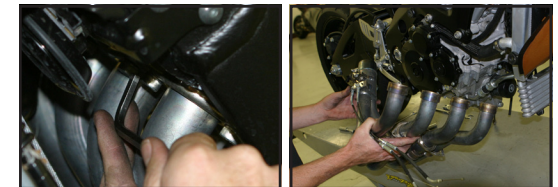
4. Remove left and right fairings.



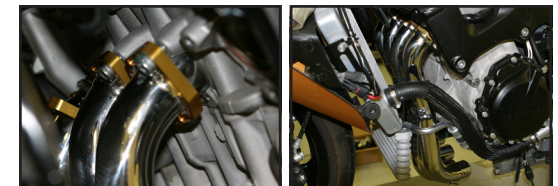
5. Remove muffler, O2 sensor, catalyst, and brackets.



6. Remove OEM headers, this may require to move oil cooler and radiator for easier access.



7. Install header using the OEM gasket between cylinder head and exhaust pipe header. Start with 2,3,4,1 with 1 being all the way to the left when sitting on the bike. Headers are stamped 1,2,3,4.



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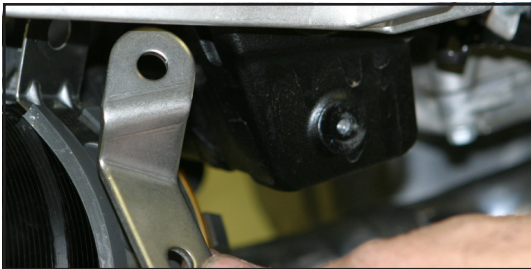
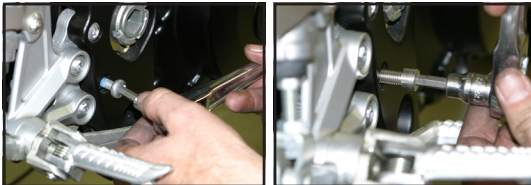


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GSX-R1000**

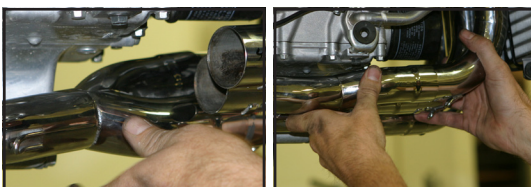
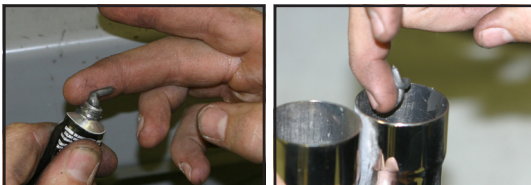
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8. Install muffler mounting bracket by replacing right lower foot peg mounting bolt with supplied 8x35mm socket head cap screw to mount bracket from the inside of frame. Use 8mm nut to secure in place. The short side of bracket goes against the frame.

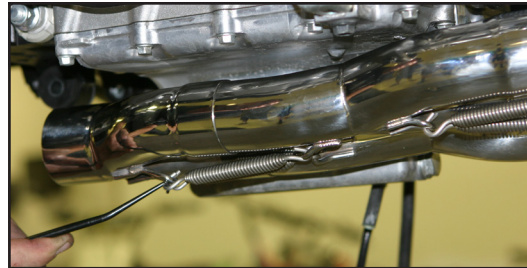


9. Use small amount of hightemp silicone on the inside of collector left and collector right and install onto headers. They are stamped CL and CR.



**Installation Instructions**

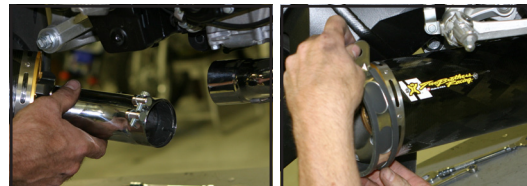
10. Use a small amount of hightemp silicone and install main collector. It is stamped MC.  
11. Install springs.



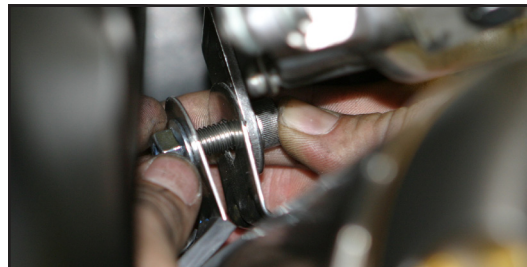
12. Attach 2 part X-Ring to muffler by loosely attaching one side and slipping the mid-pipe under retaining ring then install the second part and leave loose for now.



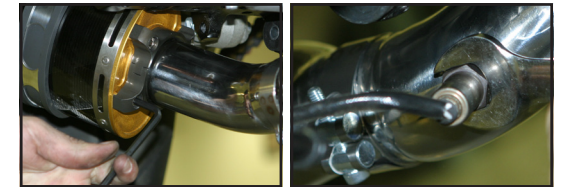
13. Attach muffler assembly to headers using the supplied barrel clamp and rubber lined muffler clamp. You will need to rotate mid-pipe for optimum alignment.



14. Attach muffler clamp to muffler mounting bracket using the supplied 8x20mm socket head cap screws and provided flange nut.



15. Tighten X-Ring bolts, barrel clamp and header bolts. Re-install O2 sensor.



16. Re-install the lower fairing assembly, fuel tank and double check all your work.

17. Before you run the bike, clean off all fingerprints and dirt, as any oily residue will etch the metal and become somewhat permanent when the system gets hot. Run the bike and enjoy. It is normal for some white smoke to appear the first time you start the bike. This is packing/manufacturing oil from inside the pipe burning off. Check for gaps or leaks. If you find a leak, a little high temperature silicon sealant should fix it. After 50 to 100 miles, recheck all fasteners for tightness.

**Care & Cleaning**

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Keep system free of dirt and moisture. Store in a cool, dry place. Make sure vehicle is completely cool before maintenance.

**Stainless Header System:** Polished stainless steel pipes will turn a light golden hue after a few heat cycles, this is a normal characteristic of high quality stainless steel. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Titanium Header System:** Polished titanium pipes will experience color shift ranging from deep blue/purple through amber after a few heat cycles. This is a normal characteristic of high quality titanium. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Polished Aluminum Canisters:** Use an aluminum or mag wheel polish to restore the bright finish to factory spec.

**Brushed Aluminum Canisters:** Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

**Carbon Fiber Canisters:** Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the carbon fiber sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

**Titanium Mufflers:** For cleaning use a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the carbon fiber sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Repack all road canisters every 3,000 miles. Part #005-10038  
Repack all offroad canisters after every 10 hours of use. Part #005-10038MX

**NEVER** dyno test your bike with carbon fiber or titanium canisters installed - the intense heat and lack of cooling air can quickly burn through the canister material. Two Brothers Racing does not provide a warranty for burned canisters.

**Warranty**

Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.



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