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## BMW R1100GS Catalytic Eli. Exhaust System



Standard (High) Mount



Low Mount enables full size BMW saddlebags

### Parts List

QTY.	DESCRIPTION	PART NUMBER
1	MUFFLER (17.5", LEFT SIDE)	VARIABLES
1	MUFFLER CLAMP	VARIABLES
1	CATALYTIC ELIMINATOR CONNECTOR TUBE	
	LOW MOUNT	005-9204N
	STANDARD MOUNT	005-9204NH
1	BARREL CLAMP (27-64MSH)	005-27-64MSH
2	80MM SPRINGS	005-S80
1	ANTI SEIZE	031-P09175
1	HI-TEMP SEALANT	031-P22072
2	TWO BROTHERS RACING STICKERS	015-10197

#### LOW MOUNT HARDWARE KIT

1	SADDLE BAG SUPPORT BRACKET (A)	005-9204A
1	MUFFLER HANGER BRACKET (B)	005-9204B
3	8MM X 30MM SOCKET HEAD CAP SCREWS	N/A
4	8MM NYLOCK NUTS	N/A
8	8MM WASHERS	N/A

#### STANDARD MOUNT HARDWARE KIT

1	8MM SPACER	005-S-8
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Standard (High) Mount



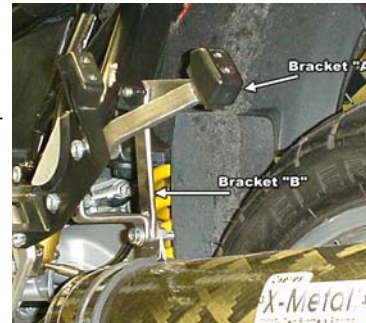
Low Mount enables full size BMW saddlebags

### IMPORTANT - PLEASE READ CAREFULLY

We recommend that this performance exhaust system be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this exhaust system, 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 the sidestand or ideally a rear service stand during installation. Be sure to save all stock exhaust 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 the sidestand or ideally a rear service stand.
2. Unscrew the O<sup>2</sup> sensor. Remove the stock canister/catalytic converter unit from the bike. **CAUTION**-the stock exhaust is very heavy, be careful not to drop it! **Do not remove the headers.**
3. Place a bead of the hi-temp sealant on the outside edge of the header that goes into the catalytic eliminator collector. Slide the catalytic eliminator collector onto the end of the header. Wipe off the excess sealant that will squeeze out. Use the t-bolt clamp to secure the catalytic eliminator collector onto the stock header. **Leave loose for now.**
4. Be sure to coat the threads of the O<sup>2</sup> sensor with the included packet of hi-temp anti-seize. Install the O<sup>2</sup> sensor into the collector. Turning the sensor in the *counter-clockwise* direction a few times then screwing it *clockwise* to install will help make it easier to install and prevent the wire from binding. **Low Mount:** Install the hanger bracket (B) and the saddlebag support bracket (A) per photo illustration using the hardware provided. Reinstall the BMW plastic bag mount bushing onto the new saddlebag support bracket using the stock hardware to secure.
5. Place a bead of the hi-temp sealant on the outside edge of the collector that goes into the canister. Slide the TBR canister onto the end of the S-bend pipe. Wipe off the excess sealant that will squeeze out.



6. Install the 8mm spacer onto the canister mount stud. Carefully slide the muffler clamp over the muffler and onto the mounting stud. (**Note:** The stainless steel canister clamp and the name badge on the canister come from the factory with a clear plastic protective film. Please remove this film before operation.) Use the stock hardware to secure. **Leave loose for now.**  
**Low Mount:** Locate both tabs of the canister clamp on the inside of the hanger bracket (B). Use a 8mm x 30mm and 8mm nut to secure. **Leave loose for now.**
7. Make sure everything is aligned and tighten all hardware. Affix the connector springs to the muffler.
8. 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 / Warranty

#### Care & Cleaning

Keep system free of dirt and moisture. Store in a cool, dry place. For cleaning use a mild spray cleaner. Always apply cleaner or polish with a soft, clean cloth.  
**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.  
**Carbon Fiber & X-Metal Mufflers:** X-Metal CF canisters will shift color from their original silver color to an amber color after a few heat cycles, similar to the way our stainless steel headers shift color. 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 / X-Metal CF sleeve. TBR sells repack kits (TBR part # 005-10038) that include new rivets and repack material as well as a drill bit (#30), making it easy to do yourself. Also, NEVER dyno test your bike with carbon fiber mufflers installed - the intense heat and lack of cooling air can quickly cause the CF material to burn. Two Brothers Racing does not provide a warranty for burned carbon fiber.

**Aluminum Mufflers:** Use an aluminum or mag wheel polish such as Mother's to restore the bright finish to factory spec.

#### 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.