



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



BMW R1150GS

V.A.L.E.™ Full Exhaust System with M-2 Canister
Part # 005-380106M



Parts List

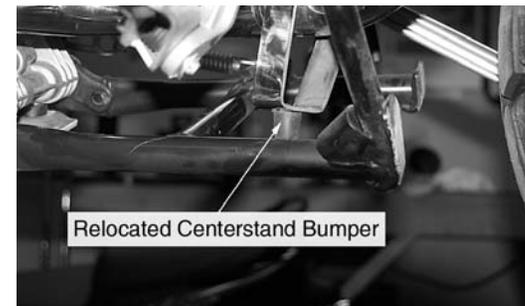
Qty.	Description	Part Number
1	Muffler Canister	Varies
1	Canister Clamp	Varies
1	Stainless Steel S-Bend Tube	005-3801N
1	HARDWARE KIT	005-38-3C
2	T-bolt Clamp	005-27-61MSH
1	VALE Adapter Kit	005-2-1-V
2	80mm Swivel Hook Spring	005-S80
1	Relocation Bracket	005-9204A
1	Hanger Bracket	005-36HB
1	18mm Spacer	005-S-18
1	8mm Spacer	005-S-8
1	8x25mm Bolt	005-FB825
1	8x35mm Bolt	005-FB835
1	8x40mm Bolt	005-FB840
3	8mm Nylock Nut	005-NN8
4	8mm Washer	005-WF8
1	Permatex Anti-Seize	031-P09175
1	Permatex Ultra Black Gasket Maker	031-P22072
1	T20 Torx Screw Wrench	005-9-15820
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 center stand or ideally a service lift during installation. Be sure to save all stock components for possible use later.

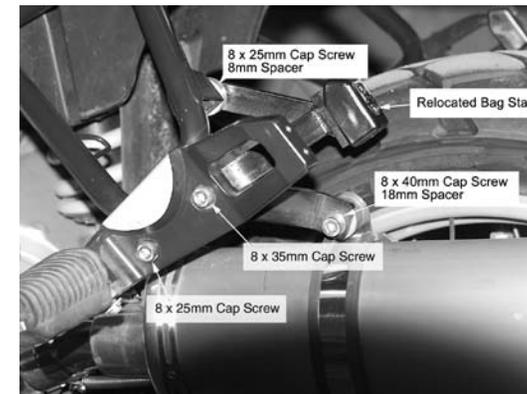
Installation Instructions

1. Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a service lift.
2. Remove the stock muffler and catalytic converter assembly. Unscrew the O2 sensor. Do not remove the header pipes, simply loosen them slightly.
3. Install low mount exhaust bracket and saddlebag relocation bracket per photo illustration.
4. Apply anti-seize compound the threads of the O2 sensor and reinstall. Using the supplied T-bolt clamps install the connector pipe. Leave loose for now.
5. Install VALE adapter kit using the supplied kit instructions.
6. Place a bead of the hi-temp sealant on the outside edge of the s-bend 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.
7. Carefully slide the muffler clamp over the muffler. (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.) Place the 18mm spacer on the inside of the hanger bracket and use the 8mm x 40mm bolt to secure the spacer and clamp. Leave loose for now.
8. Relocate the BMW plastic bag mount bushing (Bag Stay) onto the new saddlebag relocater bracket. Reuse the 2 stock screws.
9. Manually align the muffler and pipe and when everything is in place, tighten all hardware and clamps.
10. Relocate the stock centerstand bumper to the pipe bracket as pictured. The bumper will have to be glued in place with a good quality weather strip adhesive like 3M. Allow glue to dry overnight.



Relocated Centerstand Bumper

11. Make sure everything is aligned and tighten all hardware. Affix the connector springs to the muffler.
12. 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.



8 x 25mm Cap Screw
8mm Spacer

Relocated Bag Stay

8 x 40mm Cap Screw
18mm Spacer

8 x 35mm Cap Screw

8 x 25mm Cap Screw

Care & Cleaning

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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 Mufflers: 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 (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.

Repack all road canisters every 3,000 miles. Part #005-10038

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.