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V.A.L.E.
VARIABLE AXIS LOCKING EXHAUST

2003-05 Yamaha R6
2006-09 Yamaha R6S

Standard Mount V.A.L.E. Slip-On Exhaust System with M-2/5 Canister
Part # 005-220406V / 005-220407V / 005-220408V / 005-220419V / 005-220420V



Parts List

Qty.	Description	Part Number
1	M-2/5 Muffler Canister	Varies
1	Slip Tube	005-2204NV
1	Muffler Mounting Clamp	Varies
1	HARDWARE KIT	005-22-3
1	X-Ring Kit	005-7-2-3KIT
1	Barrel Clamp	005-27-65MSH
1	TBR Sticker Kit	015-10212

IMPORTANT - PLEASE READ CAREFULLY

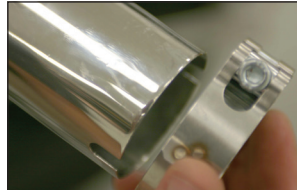
We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and 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 the sidestand or ideally a rear service stand.
2. To prevent scratching the lower cowling place a blanket or towel below it. Remove and lower the cowling onto this and then slide it out from under the bike.
3. Loosen the exhaust clamp where it bolts to the engine. Remove the stock exhaust system at the rear canister support bracket. CAUTION-the stock exhaust is heavy, be careful not to drop it! Be sure to remove the exhaust gasket from the end of the header as well: you will NOT be reusing this. Save this gasket in the event you wish to reinstall the OEM exhaust.
4. Attach V.A.L.E.™ X-Lite™ retaining ring & slip tube to muffler canister: Use the 4 (four) 6x14mm socket head cap screws and 6mm split lock washers to loosely join the slip tube to the muffler canister. **Do not fully tighten yet.**
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.) Locate both tabs of the canister clamp outside of the passenger footpeg bracket. Use the OEM bolt to secure it. Leave loose for now.
8. Make sure everything is aligned and tighten all hardware starting with the barrel clamp, then the 6x14mm cap screws (tighten these in an "X" pattern) then finally the OEM muffler mounting bolt.
9. Reinstall the lower cowling.
10. 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. Also, remove any plastic film from the name badge(s) and/or canister clamp(s). 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.



5. Slide the supplied barrel clamp onto the slip tube.



6. Slide the TBR canister onto the end of the slip tube. Connect the new slip tube/muffler assembly to your stock header, using the supplied barrel clamp. Leave loose for now.



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 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.

Warranty Information

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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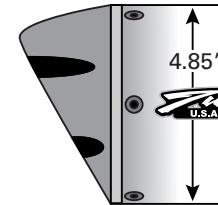
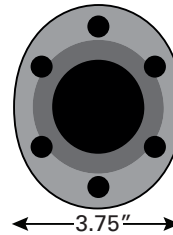
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M- 2 V.A.L.E.™



M- 5 V.A.L.E.™

