Two Brothers Racing U.S.A.
Absolute Top Level®
401 South Grand Ave., Santa Ana, CA 92705
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V.A.L.E. VARIABLE AXIS LOCKING EXHAUST

2009 Yamaha R15

V.A.L.E.™ Full Exhaust System with M-2 Canister
Part # 005-2580106V / 005-2580107V / 005-2580108V

Parts List

Qty.	Description	Part Number
1	Muffler Canister M-2	005-187-208M
1	Header	005-25801H
1	Muffler Clamp	005-2C2
1	HARDWARE KIT	005-258-3
1	X-Ring	005-7-2-2
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Lock Washer	005-WL6
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Flange Nut	005-FN8
1	8mm Spacer	005-S-8
1	80mm Spring	005-S80
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Short Hex Key	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 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 the two OEM nuts holding the OEM header to the exhaust port.

3. Remove bolt holding exhaust to frame. This will not be re-used.

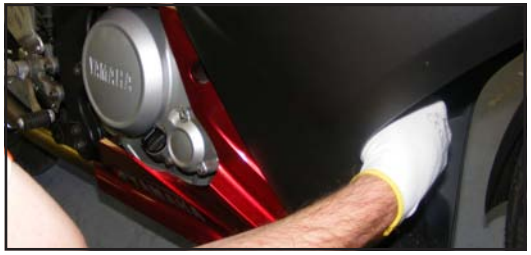
4. Remove bolt holding exhaust to footpeg bracket. Remove OEM exhaust.

5. Fit the TBR muffler to the TBR headers using the X-Ring and supplied 4x16mm socket head cap screws and lock washers. Leave loose for now. Fit muffler strap over muffler.

6. Fit TBR headers to OEM exhaust port.

7. Fit muffler strap to footpeg bracket using supplied bolt and nut. Fit 8mm spacer between muffler strap and footpeg bracket. Leave loose for now.

8. Tighten the two OEM nuts to the studs of the cylinder head and install spring to slip-fit joint.



9. Align the muffler correctly and tighten the X-Ring bolts, then the nut and bolt holding the muffler strap to the peg bracket.

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. 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.

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Part # 005-2580106V / 005-2580107V / 005-2580108V

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.

005-2580106V

Qty.	Description	Part Number
1	Muffler Canister M-2	005-187-206M
1	Header	005-25801H
1	Muffler Clamp	005-2C
1	HARDWARE KIT	005-258-3
1	X-Ring	005-7-2-2
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Lock Washer	005-WL6
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Flange Nut	005-FN8
1	8mm Spacer	005-S-8
1	80mm Spring	005-S80
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Short Hex Key	005-9-15820
1	TBR Sticker Kit	015-10212

005-2580107V

Qty.	Description	Part Number
1	Muffler Canister M-2	005-187-207M
1	Header	005-25801H
1	Muffler Clamp	005-2C1
1	HARDWARE KIT	005-258-3
1	X-Ring	005-7-2-2
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Lock Washer	005-WL6
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Flange Nut	005-FN8
1	8mm Spacer	005-S-8
1	80mm Spring	005-S80
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Short Hex Key	005-9-15820
1	TBR Sticker Kit	015-10212

005-2580108V

Qty.	Description	Part Number
1	Muffler Canister M-2	005-187-208M
1	Header	005-25801H
1	Muffler Clamp	005-2C2
1	HARDWARE KIT	005-258-3
1	X-Ring	005-7-2-2
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Lock Washer	005-WL6
1	8x50mm Socket Head Cap Screw	005-SH850
1	8mm Flange Nut	005-FN8
1	8mm Spacer	005-S-8
1	80mm Spring	005-S80
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Short Hex Key	005-9-15820
1	TBR Sticker Kit	015-10212