Absolute Top Level®

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V.A.L.E
VARIABLE AXIS LOCKING EXHAUST

2002-09
Honda Ruckus
V.A.L.E.™ Full Exhaust System with M-2 Canister
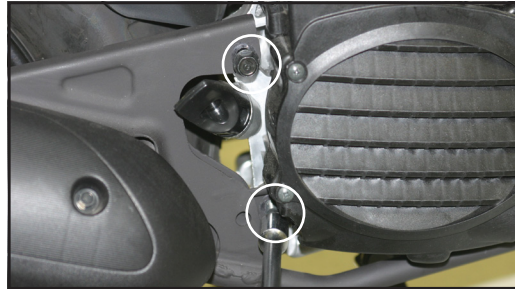*Part # 005-2450106V / 005-2450107V / 005-2450108V*

Parts List

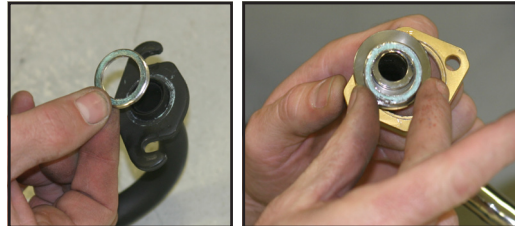| Qty.	Description	Part Number
1	Muffler Canister M-2	Varies
1	Header	005-24501H
1	Muffler Clamp	Varies
1	HARDWARE KIT	005-245-3
1	X-Ring Kit	005-7-2-3KIT
1	Mounting Bracket	005-245-B
1	VALE Adapter	005-245-V
2	8x20mm Socket Head Cap Screw	005-SH820
1	8x16mm Flange Bolt	005-FB816
1	8mm Flange Nut	005-FN8
1	Permatex 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.
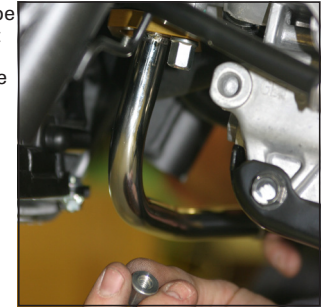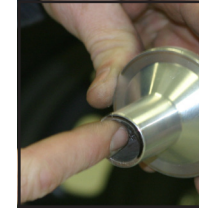
2. Remove OEM exhaust assembly.

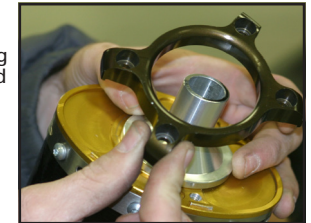3. Remove gasket between header pipe and cyclinder head. This gasket will be used with the TBR header.

4. Install TBR mounting bracking using the supplied 8x20mm socket head cap screws.

5. Install TBR Header pipe using the OEM gasket between header pipe and cylinder head, use OEM bolts.

6. Use a small amount of high temp silicone at slip-fit joint of pipe adapter.

7. Loosely attach pipe adapter to muffler using the supplied X-Ring and 4 6x14mm socket head cap screws.
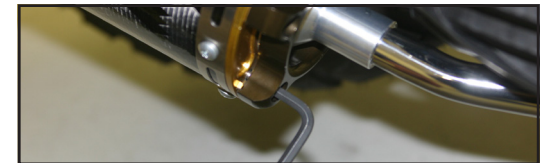
8. Install TBR muffler and rubber lined muffler clamp and retain it with the supplied 8x16mm Flange bolt and nut.

9. Attach fender to mounting bracket with the OEM bolt.

10. Check for alignment and tighten the 4 6x14mm X-Ring bolts.

11. Double check your work.

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.

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Care & Cleaning / Warranty

<u>Care & Cleaning</u>Stainless Header System: Carbon Fiber Mufflers:Aluminum

Mufflers:
<u>Warranty Information</u>

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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