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2008 Kawasaki NINJA 250R

V.A.L.E.™ Complete Exhaust System with M-2 Canister
Part # 005-2080106V, 005-2080107V, 005-2080108V



Parts List

Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Header Kit	005-20801HK
1	Slip-On Tube	005-20804S
1	HARDWARE KIT	005-208-3C
3	80mm Springs	005-S80
1	55mm Barrel Clamp	005-27-55MSH
1	10x60mm Socket Head Flat Black Bolt	005-SHF1060B
1	Solid Mount Spacer 1	005-208-S1
1	Solid Mount Spacer 2	005-208-S2
1	X-Ring Kit	005-7-2-3KIT
1	High Temp 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.

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.

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 OEM heat shield.



3. Remove the OEM muffler assembly.



4. Remove the right side body panel.



5. Remove the right side fairing.



6. Remove the OEM header assembly.



8. Install copper sealing washers onto TBR headers.



9. Attach collector to TBR header tubes.



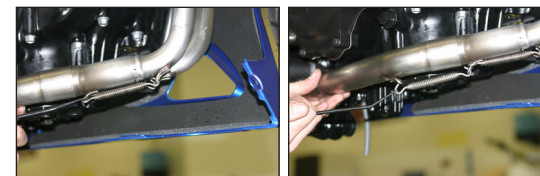
10. Install TBR header tubes.



11. Attach mid section to exhaust tube.



12. Attach springs as shown.



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Absolute Top Level®

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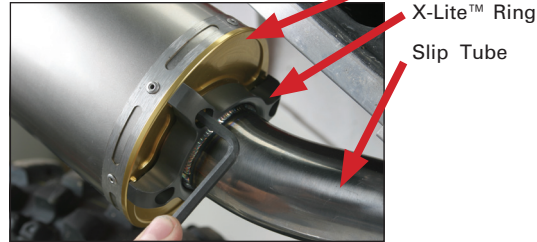
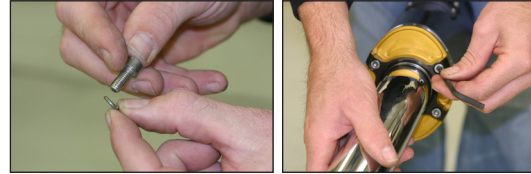
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Installation Instructions

13. Attach the TBR slip-on tube to muffler using the 4 6x14mm socket head cap screws and 6mm split washers provided. Leave loose for now.



V.A.L.E.™ Assembly Detail

14. Slide barrel clamp on the end of the slip-on tube.
15. Remove OEM rubber grommets from muffler mount and install TBR solid mount spacers. The threaded one will go on the inside.

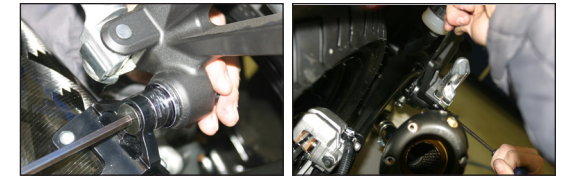


16. Install the TBR muffler assembly to the motorcycle using the supplied 10x60mm black socket head flat bolt and 10mm flange nut.

***You may need to rotate the slip-on tube to get the best fitment.**



17. Tighten the 10mm nut/spacer to securely attach the canister to the frame.



18. Check muffler position and alignment. When it is correct, tighten the 4 6x14mm socket head cap screws and the barrel clamp.
19. Re-install the right side fairing and make sure there is clearance from all body work.



20. Double check your work.
21. 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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Installation Instructions

Care & Cleaning

Care & Cleaning

Keep system free of dirt and moisture. Store in a cool, dry place. Make sure vehicle is completely cool before maintenance.

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. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Titanium Header System: Polished titanium pipes will experience color shift ranging from deep blue/purple through amber after a few heat cycles. This is a normal characteristic of high quality titanium. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Polished Aluminum Canisters: Use an aluminum or mag wheel polish to restore the bright finish to factory spec.

Brushed Aluminum Canisters: Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Carbon Fiber Canisters: Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. 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 (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Titanium Mufflers: For cleaning use a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. 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 (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Repack all road canisters at the first signs of packing material deterioration. Part #005-10038
Repack all offroad canisters after every 10 hours of use. Part #005-10038MX

NEVER dyno test your bike with carbon fiber or titanium canisters installed - the intense heat and lack of cooling air can quickly burn through the canister material. Two Brothers Racing does not provide a warranty for burned canisters.



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