



Kawasaki NINJA 650R

Full V.A.L.E.™ Exhaust System with M-2 Canister
Part # 005-31801



Parts List

1	M-2 Muffler Canister	Varies
1	Header Kit	005-31801H
1	Muffler Clamp	Varies
1	HARDWARE KIT	005-318-3C
1	X-Ring Kit	005-7-2-3KIT
1	P1 Power Tip™ (Installed)	005-P1
1	8x16mm Flange Bolt	005-FB816
3	8x30mm Socket Head	005-SH830
4	8mm Flange Nut	005-FN8
1	Support Bracket	005-318-B
1	O2 Sensor Kit	005-92-22KIT
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 service lift.
2. Remove the right side fairing to expose the muffler assembly.



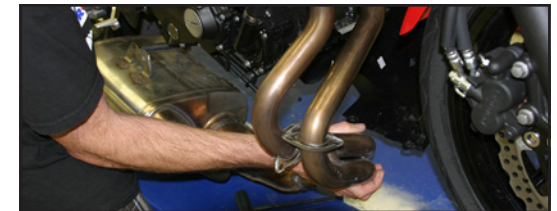
3. Remove the right foot rest assembly to access muffler mounting bolts.



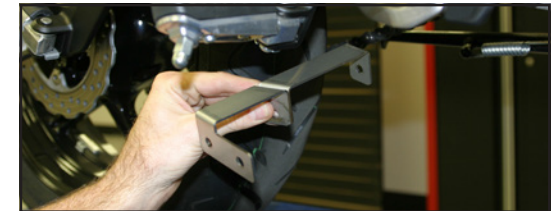
4. Remove muffler mounting hardware.



5. Remove header nuts from cylinder head and remove header assembly.



6. Attach supplied muffler mounting bracket to the three rubber mounting supports. Use supplied nuts and bolts.



7. Loosely attach TBR muffler to TBR header using the supplied 6x20mm bolts, washers and X-ring.



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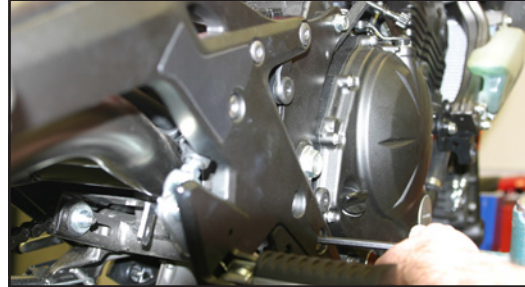
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Warranty

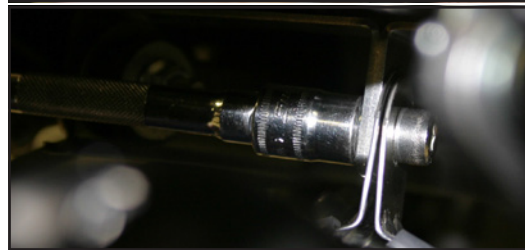
Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.

Installation Instructions

8. Re-install foot rest assembly.

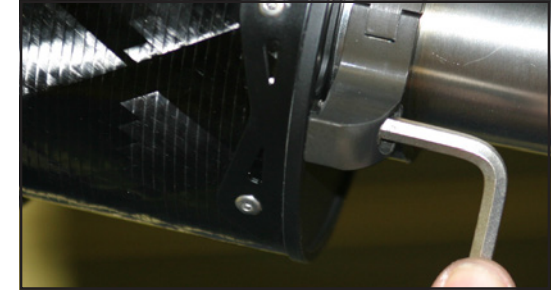


9. Slide the (rubber-lined) muffler clamp over the muffler canister and install header on bike using supplied flange bolt and nut on muffler clamp.



10. Make all adjustments of muffler rotation to make sure there is clearance between swingarm/tire and brake pedal when applied.

11. Tighten the four 6x20mm S.H.C.S. of the V.A.L.E.™ assembly in a cross pattern.



12. Re-install the lower fairing and side cover.

13. 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.



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 every 3,000 miles. 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.