



401 South Grand Ave., Santa Ana, CA 92705
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2008 Kawasaki ZX-10R

V.A.L.E.™ Full Exhaust System with M-2 Canister
Part # 005-1990106V, 005-1990107V, 005-1990108V



Parts List



Qty.	Description	Part Number
1	Muffler Canister	Varies
1	4-2-1 Header Assembly	005-19901H
1	Slip-on Tube	005-19904S
1	HARDWARE KIT	005-199-3C
1	Fender Bracket	005-19904B
2	Lighted License Plate Bolt	005-8504LTZ
1	Turn Signals (set of 2)	005-88T2
6	But Splice Connectors	005-BS1614
1	Barrel Clamp	005-27-66MSH
6	80mm Swivel Hook Springs	005-S80
1	Zip Ties	005-ZT458B
1	Zip Tie Tab	005-ZTM4
1	8x50mm Socket Head Flat (Black)	005-SHF850
8	6x14mm Socket Head Cap Screw	005-SH614
1	5mm Long Handle Ball End Hex Wrench	005-9-18610
4	6mm Split Lock Washer	005-WL6
4	6mm Flange Nut	005-FN6
1	High Temp Silicone	031-P22072

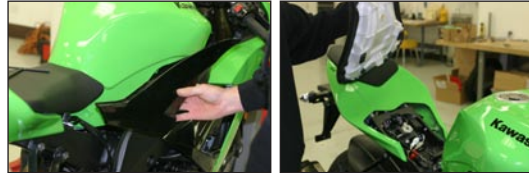
IMPORTANT - PLEASE READ CAREFULLY

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 side covers and seat.



3. Remove lower rear exhaust cover.



4. Remove exhaust valve cables from servo under seat.



5. Remove OEM muffler assembly.



6. Remove lower left and right fairings

7. Remove OEM header assembly (remove lower radiator support bracket to swing radiator out for more room to remove header nuts).



8. Install Headers 1,2,3,4 to the engine starting with 1 on the left side of the engine as if you are sitting on the bike facing forward. Make sure the OEM copper gasket is between cylinder head and exhaust pipes.



9. Install the main collector to the 2 merge collectors using the supplied springs and a small bead of high temp silicon.



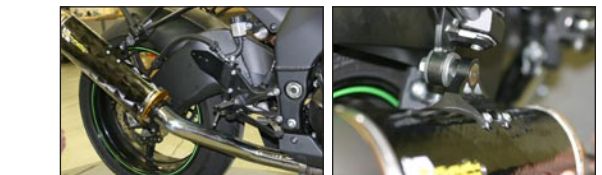
10. Install the collectors to the headers using the supplied springs and a small bead of high temp silicon.



11. Attach TBR muffler to slip-on tube using the 4 6x14mm S.H.C.S. and lock washers provided. Leave loose for now.



12. Slide supplied barrel clamp on end of slip tube where it will meet TBR header assembly. Install the TBR muffler assembly and attach using the S.H. flat bolt and OEM nut to secure the rear muffler mount.



13. Check alignment and tighten muffler and the 4 6x14mm V.A.L.E.™ S.H.C.S.





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Warranty

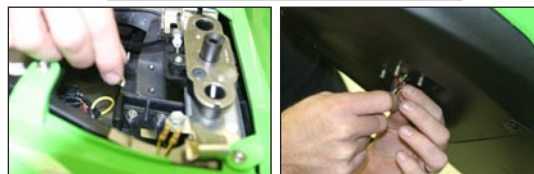
Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and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

Installation Instructions

14. Tighten barrel clamp.



15. Install TBR fender eliminator kit using the 4 6x14mm S.H.C.S. and supplied nuts to rear frame.



16. Attach turn signals and plate light bolts using the wire splice connectors supplied to the correct wires in the harness as shown in the Wiring Diagram.



17. Start engine and make sure no leaks are found.

18. Re-install seats and covers.

19. Check for clearance between exhaust and all other parts and make adjustments if needed.

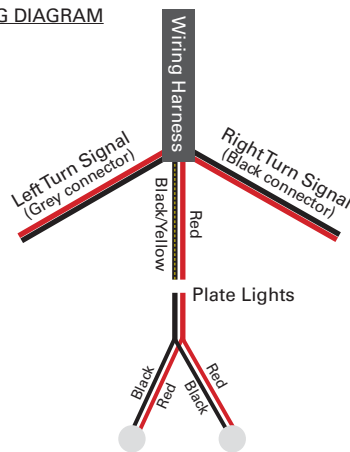
20. Double check all your work.

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. 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.

* For best overall performance a JuiceBox (008-199) should be used.



WIRING DIAGRAM





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Care & Cleaning

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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.

005-1990106V

005-1990107V

005-1990108V



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1	Muffler Canister	005-199-206M
1	4-2-1 Header Assembly	005-19901H
1	Slip-on Tube	005-19904S
1	HARDWARE KIT	005-199-3C
1	Fender Bracket	005-19904B
2	Lighted License Plate Bolt	005-8504LTZ
1	Turn Signals (set of 2)	005-88T2
6	But Splice Connectors	005-BS1614
1	Barrel Clamp	005-27-66MSH
6	80mm Swivel Hook Springs	005-S80
1	Zip Ties	005-ZT458B
1	Zip Tie Tab	005-ZTM4
1	8x50mm Socket Head Flat (Black)	005-SHF850
8	6x14mm Socket Head Cap Screw	005-SH614
1	5mm Long Handle Ball End Hex Wrench	005-9-18610
4	6mm Split Lock Washer	005-WL6
4	6mm Flange Nut	005-FN6
1	High Temp Silicone	031-P22072



Qty.	Description	Part Number
1	Muffler Canister	005-199-207M
1	4-2-1 Header Assembly	005-19901H
1	Slip-on Tube	005-19904S
1	HARDWARE KIT	005-199-3C
1	Fender Bracket	005-19904B
2	Lighted License Plate Bolt	005-8504LTZ
1	Turn Signals (set of 2)	005-88T2
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