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2006-10 Kawasaki ZX-14R

V.A.L.E.™ Complete Exhaust System with M-2 Canister
Part # 005-1490106V, 005-1490107V, 005-1490108V



Parts List

Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Stainless Steel S-Bend Slip-On Tube	005-14901S
1	4-2-1 Header Assembly	005-14901HK
1	HARDWARE KIT	005-149-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	66mm Barrel Clamp	005-27-66MSA
1	10x60mm Socket Head Flat Black Bolt	005-SHF1060B
1	10mm 1.5" Thread Nylon Nut	005-NN10
4	80mm Spring Hook	005-S-80
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610

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 center stand or ideally a service lift.



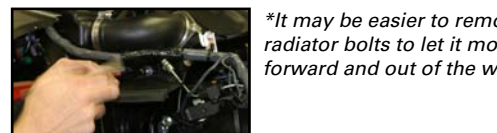
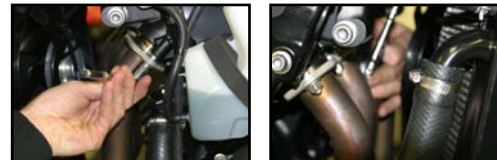
2. Remove OEM muffler from left and right side.



3. Remove left and right upper and lower fairing.

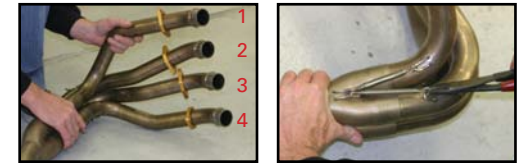


4. Remove OEM header assembly.



**It may be easier to remove radiator bolts to let it move forward and out of the way.*

5. Install TBR headers 1, 2, 3, and 4 to center collector assembly and attach to motorcycle (leave loose for now).



6. Attach slip-on tube to muffler using the 4x14mm S.H.C.S. and split washers provided (leave loose for now).



7. Install slip-on/muffler assembly to center collector and attach using the supplied barrel clamp at joint and bolt and nut at muffler mount.



8. Make sure everything is aligned and tighten from the front back. Headers, springs, clamp, V.A.L.E.™ bolts, and muffler mount.



9. Install all bodywork and check for clearance and adjust if necessary.

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.



Absolute Top Level®

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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.



005-1490106V

005-1490107V

005-1490108V



Qty.	Description	Part Number
1	M-2 Aluminum Muffler Canister	005-149-206M
1	Stainless Steel S-Bend Slip-On Tube	005-14901S
1	4-2-1 Header Assembly	005-14901HK
1	HARDWARE KIT	005-149-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	66mm Barrel Clamp	005-27-66MSA
1	10x60mm Socket Head Flat Black Bolt	005-SHF1060B
1	10mm 1.5" Thread Nylon Nut	005-NN10
4	80mm Spring Hook	005-S-80
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610

Qty.	Description	Part Number
1	M-2 Carbon Fiber Muffler Canister	005-149-207M
1	Stainless Steel S-Bend Slip-On Tube	005-14901S
1	4-2-1 Header Assembly	005-14901HK
1	HARDWARE KIT	005-149-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	66mm Barrel Clamp	005-27-66MSA
1	10x60mm Socket Head Flat Black Bolt	005-SHF1060B
1	10mm 1.5" Thread Nylon Nut	005-NN10
4	80mm Spring Hook	005-S-80
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610

Qty.	Description	Part Number
1	M-2 Titanium Muffler Canister	005-149-208M
1	Stainless Steel S-Bend Slip-On Tube	005-14901S
1	4-2-1 Header Assembly	005-14901HK
1	HARDWARE KIT	005-149-3
1	V.A.L.E.™ X-Lite Ring	005-7-2-2
1	66mm Barrel Clamp	005-27-66MSA
1	10x60mm Socket Head Flat Black Bolt	005-SHF1060B
1	10mm 1.5" Thread Nylon Nut	005-NN10
4	80mm Spring Hook	005-S-80
4	6x14mm Socket Head Cap Screw	005-SH614
4	6mm Split Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610