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V.A.L.E.

**2004-05 Kawasaki KX250F &
2004-06 Suzuki RMZ250**

Slip-on Exhaust System with M-7 Canister
Part # 005-1200406V / 005-1200407V



Parts List

Qty.	Description	Part Number
1	M-7 Muffler Canister	Varies
1	Stainless Steel S-Bend Tube	005-12001S
1	HARDWARE KIT	005-120-3
1	Side Panel Spacer	005-S-13
4	6x14mm Socket Head Cap Screw	005-SH614
1	8x25mm Flange Bolt	005-FB825
1	5mm Long Handle Ball End Hex Key	005-9-18610
4	Split Lock Washer	005-WL6
2	TBR Script Logo Yellow Decal 4"	015-10208-A
1	Spark Arrestor (aluminum canister only)	005-106S

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

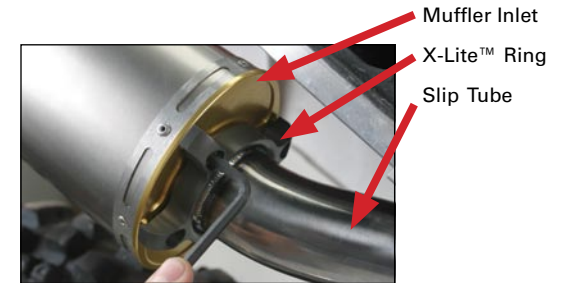
Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and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

Installation Instructions

Make sure the bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a rear service stand.

- Remove right rear plastic panel to expose existing exhaust system.
- Remove bolt connecting existing exhaust canister to frame.
- Remove bolt at junction of existing connector & headpipe.
- Remove old muffler & connector tube.
- Loosely attach the V.A.L.E.™ muffler to the stainless steel s-bend tube using the four supplied 6x14mm socket head cap screws and split lock washers. Leave bolts loose for now.
- Insert the V.A.L.E.™ assembly in from the rear of the bike. Carefully rotate the pipe into position and slide it onto the header.
- Carefully rotate muffler assembly to align the 8x25mm bolt with the mounting hole on the frame, insert the bolt and loosely tighten.
- Attach lower s-bend mount to subframe using OEM hardware.
- Once the muffler is aligned tighten the four 6mm x 14mm V.A.L.E.™ screws with the supplied ball end hex key.
- Tighten rear muffler top mount
- Check your work and clean all fingerprints.
- Re-install the plastic panel, and anything else that you may have loosened or removed in order to install the exhaust system.
- Double check to make sure everything is aligned and tighten all hardware.

- 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. After 50 to 100 miles, recheck all fasteners for tightness.



V.A.L.E.™ Assembly Detail

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.



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Part # 005-1200406V / 005-1200407V



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1	M-7 Muffler Canister	005-120-206M
1	Stainless Steel S-Bend Tube	005-12001S
1	HARDWARE KIT	005-120-3
1	Side Panel Spacer	005-S-13
4	6x14mm Socket Head Cap Screw	005-SH614
1	8x25mm Flange Bolt	005-FB825
1	5mm Long Handle Ball End Hex Key	005-9-18610
4	Split Lock Washer	005-WL6
2	TBR Script Logo Yellow Decal 4"	015-10208-A
1	Spark Arrestor (aluminum canister only)	005-106S



Qty.	Description	Part Number
1	M-7 Muffler Canister	005-120-207M
1	Stainless Steel S-Bend Tube	005-12001S
1	HARDWARE KIT	005-120-3
1	Side Panel Spacer	005-S-13
4	6x14mm Socket Head Cap Screw	005-SH614
1	8x25mm Flange Bolt	005-FB825
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