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2006-08 Kawasaki KX450F

Complete Exhaust System with M-7 Canister
005-1350106V / 005-1350607V / 005-1350608V



Parts List

Qty.	Description	Part Number
1	Muffler Canister M-7	Varies
1	S-Bend for Complete	Varies
1	Header	Varies
1	HARDWARE KIT	005-135-3C
2	X-Ring (half)	005-7-2-3
1	8x30mm Flange Bolt	005-FB830
1	5mm Long Handle Ball end hex key	005-9-18610
4	Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
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 right side panel.
3. Remove upper muffler mounting bolt.
4. Remove lower muffler mounting bolt.
5. Loosen muffler joint clamp.
6. Remove muffler assembly.
7. Remove head pipe flange nuts.
8. Remove head pipe.
9. Install the new Two Brothers Racing head pipe making sure that the original copper gasket is between the cylinder and head pipe. Loosely install 2 (two) OEM head pipe nuts to hold header in place.
10. Assemble the V.A.L.E. unit to the muffler canister: Use the 4 (four) 6 x 14mm socket head cap screws and split lock washers to loosely attach the X-Lite™ ring to muffler inlet. (See V.A.L.E. Assembly Detail below)
11. Attach header assembly to the motorcycle. Slip the s-bend tube into the head pipe. Secure muffler canister to the bike using the supplied 8x30mm flange bolt. The OEM muffler joint clamp is not used with the Two Brothers Full Race System.
11. Making sure that the V.A.L.E. assembly is oriented correctly, securely tighten lower muffler mounting bolt.
12. Securely tighten the 4 (four) 6 x 14mm socket head cap screws of the V.A.L.E. assembly with the supplied 5mm hex wrench. (See V.A.L.E.™ Assembly Detail)
13. Securely tighten the upper muffler mounting bolt.
14. Securely tighten the two header nuts.
15. Reinstall side panel with original hardware.
16. Double check to make sure that all hardware is tightened
17. 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.



Muffler Inlet

X-Lite™ Ring

S-Bend Tube

V.A.L.E.™ Assembly Detail



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V.A.L.E.
VARIABLE AXIS LOCKING EXHAUST

**2006-08 Kawasaki
KX450F**

Complete Exhaust System with M-7 Canister



005-1350106V



Qty.	Description	Part Number
1	Muffler Canister M-7 Aluminum	005-135-206M
1	S-Bend for Complete	005-13501S
1	Header	005-13501H
1	HARDWARE KIT	005-135-3C
2	X-Ring (half)	005-7-2-3
1	8x30mm Flange Bolt	005-FB830
1	5mm Long Handle Ball end hex key	005-9-18610
4	Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
1	TBR Sticker Kit	015-10212
1	Spark Arrestor (Installed)	005-106S

005-1350107V



Qty.	Description	Part Number
1	Muffler Canister M-7 Carbon Fiber	005-135-207M
1	S-Bend for Complete	005-13501S
1	Header	005-13501H
1	HARDWARE KIT	005-135-3C
2	X-Ring (half)	005-7-2-3
1	8x30mm Flange Bolt	005-FB830
1	5mm Long Handle Ball end hex key	005-9-18610
4	Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
1	TBR Sticker Kit	015-10212