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## 2008-09 Yamaha WR250X / R

Slip-On V.A.L.E.™ Exhaust System with M-7 Canister  
Part # 005-2440406V / 005-2440407V



### Parts List

Qty.	Description	Part Number
1	Muffler Canister M-7	Varies
1	S-Bend Slip Tube	Varies
1	HARDWARE KIT	005-244-3
2	X-Ring (half)	005-7-2-3
1	8x12mm Flange Bolt	005-FB812-10
1	10x35mm Flange Bolt	005-FB1035
1	8mm Aluminum Spacer	005-S-810
1	5mm Long Handle Ball end hex key	005-9-18610
1	T20 Torx Wrench	005-9-15820
4	6mm Split Lock Washer	005-VL6
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 OEM muffler cover.



3. Remove Right side panel.
4. Remove exhaust valve cover.



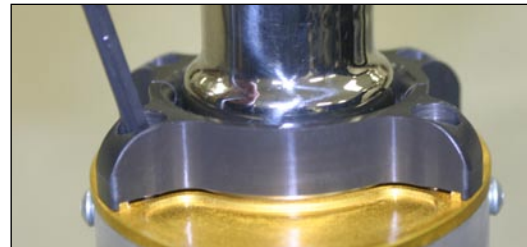
5. Remove exhaust valve cables from OEM muffler assembly.



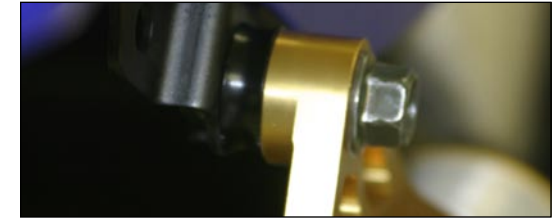
6. Remove muffler mounting bolts and loosen muffler joint clamp to remove muffler assembly.



7. Use the 4 (four) 6 x 14mm bolts and 6mm split lock washers to loosely attach the X-Lite™ ring over the mid-pipe to muffler inlet.



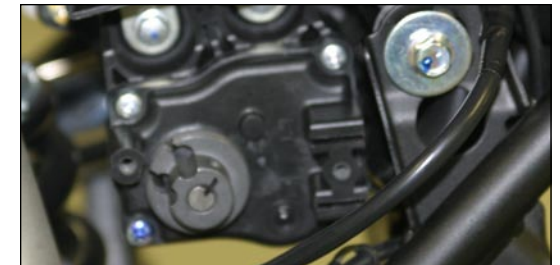
8. Install TBR muffler assembly to motorcycle and secure with the provided 10mm flange bolt and spacer for muffler mount and 8mm flange bolt for lower mid-pipe mount. Do not tighten yet.



9. Making sure that the muffler alignment is correct and the V.A.L.E.™ assembly is oriented correctly, and tighten the 4 X-Ring bolts first, then the upper muffler mount and last the mid-pipe bolt.
10. Remove left side panel.
11. Remove exhaust servo cover.



12. Remove exhaust valve cables. It may be easier to remove servo to get cables out. This unit must be installed and plugged in to keep engine light from coming on.



13. Re-install servo cover and keep cables with OEM muffler for future use if necessary.
14. Re-install side panels.
15. Double check to make sure that all hardware is tightened.
16. 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.

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005-2440406V

005-2440407V



Qty.	Description	Part Number
1	Muffler Canister M-7	005-244-206M
1	S-Bend Slip Tube	005-24404S
1	HARDWARE KIT	005-244-3
2	X-Ring (half)	005-7-2-3
1	8x12mm Flange Bolt	005-FB812-10
1	10x35mm Flange Bolt	005-FB1035
1	8mm Aluminum Spacer	005-S-810
1	5mm Long Handle Ball end hex key	005-9-18610
1	T20 Torx Wrench	005-9-15820
4	6mm 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



Qty.	Description	Part Number
1	Muffler Canister M-7	005-244-207M
1	S-Bend Slip Tube	005-24404S
1	HARDWARE KIT	005-244-3
2	X-Ring (half)	005-7-2-3
1	8x12mm Flange Bolt	005-FB812-10
1	10x35mm Flange Bolt	005-FB1035
1	8mm Aluminum Spacer	005-S-810
1	5mm Long Handle Ball end hex key	005-9-18610
1	T20 Torx Wrench	005-9-15820
4	6mm Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
1	TBR Sticker Kit	015-10212

**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 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.