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**2009-10 Yamaha
YFZ450R / X**

V.A.L.E.™ Full Exhaust System with M-7 Canister
Part # 005-2430106V



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. Be sure to save all stock components for possible use later.

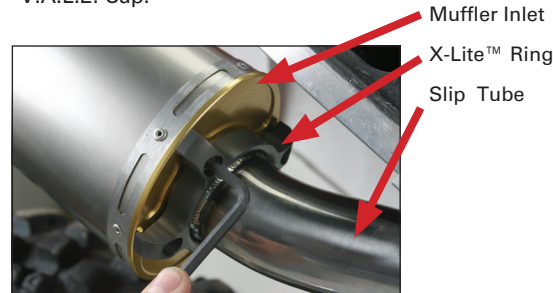
****This product has not been tested with all available accessories and some items may cause excessive heat. Excessive heat may cause damage to your vehicle. Two Brothers Racing will not be responsible for damaged parts.**

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 atv is completely cool before starting the installation. Make sure the ATV is secure and is unable to move during installation.
2. Remove OEM muffler assembly.
3. Remove OEM header assembly.
4. Join the V.A.L.E.™ X-Lite™ ring and slip tube with the end of the M-7 Canister using the supplied 6x14mm screws. Be sure to use the included split lock washers on all 4 of the screws. Loosely tighten all four screws. Keep the screws loose enough so that the tube can rotate back and forth inside the V.A.L.E. Cap.



V.A.L.E.™ Assembly Detail

5. Install TBR muffler assembly to ATV using the OEM mounting bolt in the rear mounting location.



6. Install TBR header tube and join to muffler assembly as a slip-fit. There is no clamp being used here.
7. Tighten the header flange bolts when alignment looks correct.

8. Tighten the 4 6x14mm V.A.L.E. Cap screws.



9. Before you run the atv, 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 atv 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 30-60 minutes of use, recheck all fasteners for tightness.

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.



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| Qty. | Description | Part Number |
|------|--------------------------------|---------------|
| 1 | Muffler Canister M-7 Aluminum | 005-243-206MH |
| 1 | Stainless Steel Slip Tube | 005-24304S |
| 1 | Stainless Steel Header | 005-24301H |
| 1 | HARDWARE KIT | 005-243-3C |
| 1 | X-Ring Kit | 005-7-2-3KIT |
| 1 | TBR Sticker Kit | 015-10212 |
| 1 | Spark Arrestor (Pre-installed) | 005-106S |