



401 South Grand Ave., Santa Ana, CA 92705  
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



## 2004-08 Yamaha YFZ450

V.A.L.E.™ Complete Exhaust System with M-7 Canister  
Part # 005-1050106VH



Parts List



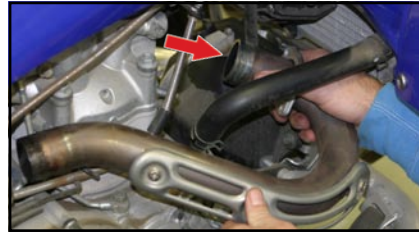
Qty.	Description	Part Number
1	YFZ450 (04-07) Muffler Canister M-7 Aluminum	005-105-206MH
1	YFZ450 (04-07) Header	005-10501HH
1	YFZ450 (04-07) Stainless Steel Slip Tube	005-10501SH
1	HARDWARE KIT	005-105-3C
1	V.A.L.E.™ X-Lite™ Retaining Ring	005-7-2-2
2	8x25mm Flange Bolt	005-FB825
2	11.5mm Aluminum Spacer	005-S-11
4	6x14mm Socket Head Cap Screw	005-SH614
4	M6 Split Lock Washer	005-WL6
1	5mm Long Handle Ball end hex key	005-9-18610
1	Spark Arrestor (Pre-installed)	005-106S

### IMPORTANT - PLEASE READ CAREFULLY

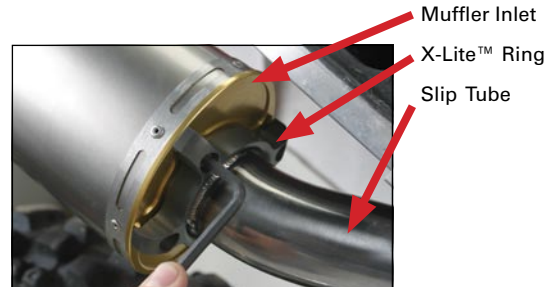
**We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle 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.**

### 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 the stock exhaust system.



3. 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 a split lock washer 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

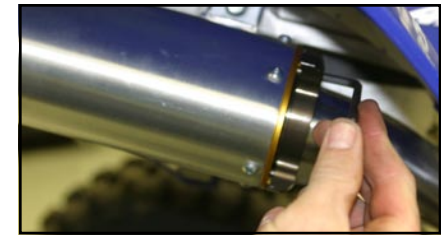
4. Install Two Brothers Racing titanium headpipe using OEM hardware. Tighten bolts only finger-tight for now.



5. Install S-bend tube & muffler assembly to header pipe and rotate muffler until muffler mount holes line up with frame mounting holes. Loosely attach muffler using supplied 11.5mm spacers and 8x25mm flange bolts.



6. Securely tighten the two 6x14mm cap screws which are accessible. This will keep the muffler and s-bend tube aligned.
7. Carefully remove muffler assembly and s-bend from the ATV and fully tighten all four 6x14mm cap screws in an "X" pattern. This will insure a good seal and perfect fit.



8. Apply threadlock to the muffler mounting bolts and re-install muffler assembly (See step 5). Tighten mounting bolts securely.

Continued on Page 2

### 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.

**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.

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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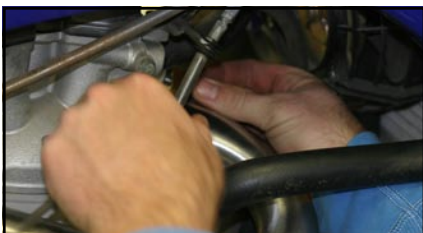


**2004-08 Yamaha  
 YFZ450**

V.A.L.E.™ Compleate Exhaust System with M-7 Canister  
 Part # 005-1050106VH

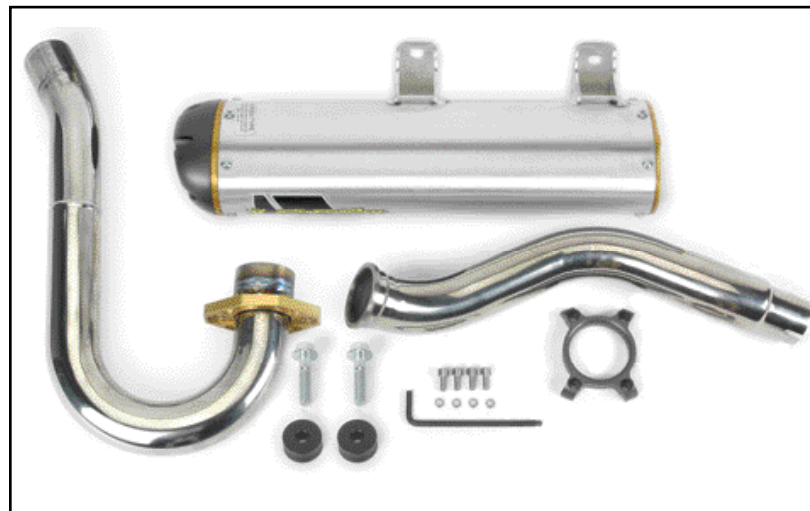


9. Tighten header flange bolts.



10. 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.

**005-1050106VH**



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**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.