



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



2004-05 Honda TRX450R

V.A.L.E.™ Complete Exhaust System with M-7 Canister
Part # 005-1060106V / 005-1060607V / 005-1060608V



Parts List

Qty.	Description	Part Number
1	TRX450 (04-05) Muffler Canister M-7	Varies
1	TRX450 (04-05) S-Bend for Complete	Varies
1	TRX450 (04-05) Header	Varies
1	22mm Aluminum Spacer	005-S-22A
1	8x85mm Socket Head Cap Screw	005-SH885
1	8mm Flange Nut	005-FN8
1	#172 Main Jet	005-105-MJ172
1	5mm Long Handle Ball end hex key	005-9-18610
4	6mm Split Lock Washer	005-VL6
4	6x14mm Socket Head Cap Screw	005-SH614
2	TBR Script Logo Yellow Decal 4"	015-10208-A

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 ATV is completely cool before starting the installation. Make sure the bike is secure and is not moving during installation.
2. Remove the stock exhaust system. Save hardware (except rear muffler mounting bolt) for later use.



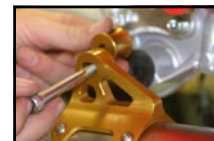
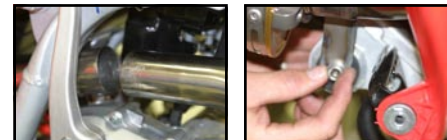
3. Join the V.A.L.E. cap with the end of the M-7 Canister using the supplied 6x14mm screws. Be sure to use the included split lock washers on all 4 of the screws. Loosely tighten all four screws. Keep the screws loose enough so that the tube can rotate back and forth inside the V.A.L.E. cap.



4. Install Two Brothers titanium headpipe to ATV using stock hardware. Snug all fasteners only finger tight for now.



5. Install entire assembly onto header gently turning it into position so that the muffler bracket and the slip on tube bracket line up with the appropriate holes. Now slide the 18mm aluminum spacer behind the canister mounting tab and install the 8x85mm screw and Stock nut and tighten finger tight.



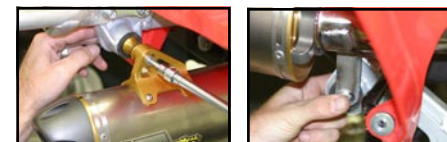
6. Securely tighten the two 6mm x 14mm cap screws which are accessible. This will keep the muffler and s-bend tube aligned when the assembly is removed.



7. Carefully remove muffler assembly and s-bend from the ATV and fully tighten all four 6mm x 14mm cap screws in an "X" pattern. This will insure a good seal and perfect fit.



8. Re-install muffler assembly. Securely tighten all mounting hardware.





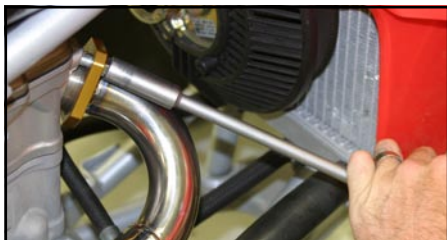
401 South Grand Ave., Santa Ana, CA 92705
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



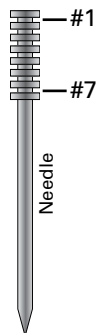
2004-05 Honda TRX450R

V.A.L.E.™ Complete Exhaust System with M-7 Canister
Part # 005-1060106V / 005-1060607V / 005-1060608V

9. Securely tighten header flange bolts.



10. Install the new #172 main jet in the carburetor. Refer to your owner's/service manual for installation procedure. Move the needle clip to the #5 position. Remove airbox lid.



11. 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.

Installation Instructions



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 at the first signs of packing material deterioration. 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.



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



2004-05 Honda TRX450R

V.A.L.E.™ Complete Exhaust System with M-7 Canister
Part # 005-1060106V / 005-1060607V / 005-1060608V



005-1060106V



Qty.	Description	Part Number
1	TRX450 (04-05) Muffer Canister M-7 Aluminum	005-106-206M
1	TRX450 (04-05) Stainless Steel S-Bend for Complete	005-10601S
1	TRX450 (04-05) Stainless Steel Header	005-10601H
1	22mm Aluminum Spacer	005-S-22A
1	8x85mm Socket Head Cap Screw	005-SH885
1	8mm Flange Nut	005-FN8
1	#172 Main Jet	005-105-MJ172
1	5mm Long Handle Ball end hex key	005-9-18610
4	6mm Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
2	TBR Script Logo Yellow Decal 4"	015-10208-A
1	Spark Arrestor (Installed)	005-106S

005-1060607V



Qty.	Description	Part Number
1	TRX450 (04-05) Muffer Canister M-7 Carbon Fiber	005-106-207M
1	TRX450 (04-05) Titanium S-Bend for Complete	005-10606S
1	TRX450 (04-05) Titanium Header	005-10606H
1	22mm Aluminum Spacer	005-S-22A
1	8x85mm Socket Head Cap Screw	005-SH885
1	8mm Flange Nut	005-FN8
1	#172 Main Jet	005-105-MJ172
1	5mm Long Handle Ball end hex key	005-9-18610
4	6mm Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
2	TBR Script Logo Yellow Decal 4"	015-10208-A

005-1060608V



Qty.	Description	Part Number
1	TRX450 (04-05) Muffer Canister M-7 Titanium	005-106-208M
1	TRX450 (04-05) Titanium S-Bend for Complete	005-10606S
1	TRX450 (04-05) Titanium Header	005-10606H
1	22mm Aluminum Spacer	005-S-22A
1	8x85mm Socket Head Cap Screw	005-SH885
1	8mm Flange Nut	005-FN8
1	#172 Main Jet	005-105-MJ172
1	5mm Long Handle Ball end hex key	005-9-18610
4	6mm Split Lock Washer	005-WL6
4	6x14mm Socket Head Cap Screw	005-SH614
2	TBR Script Logo Yellow Decal 4"	015-10208-A