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2011 Polaris RANGER RZR 900 XP

V.A.L.E.™ Dual Full Exhaust System with M-7 Aluminum Canister
Part # 005-3090106DV



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 quad is completely cool before starting the installation. Make sure the quad is secure on a level surface and the wheels are chocked to prevent the quad from rolling.
2. Remove the seats.



3. Tilt the panel forward behind the seats to access the header pipes.



4. Remove exhaust pipe joint springs(2) above rear right wheel.



5. Remove 6 header flange bolts and remove OEM header system.



6. Remove muffer retaining springs(2) and remove OEM muffer assembly.





Absolute Top Level®

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Installation Instructions

7. Remove OEM bolts above left and right wheel wells as shown in photo.



8. Install new supplied mounting bracket in both wheel wells using supplied 8x25mm bolts and rear bolts will use supplied 8mm nuts.



Installation Instructions

9. Re-route the clear hose from behind the driver seat to go under the frame bar.



10. Using supplied 6x14mm bolt and nut install rubber liner to retaining bracket and mount as shown behind drivers seat. Loosely wrap hoses and bracket with supplied ziptie, make sure you have rubber side down on bracket.



11. Install header collars and flanges with spring hook ears on top as shown.



12. Install headers using supplied spring hooks as shown, tighter radius header installs on passenger side.





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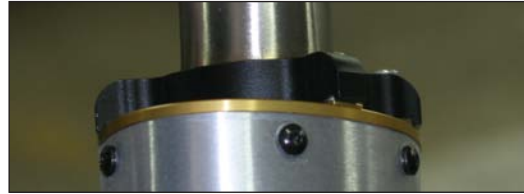
005-3090106DV



Qty.	Description	Part Number
1	Muffler Canister Left	005-309-206ML
1	Muffler Canister Right	005-309-206MR
1	Header Kit	005-30901H
1	HARDWARE KIT	005-309-3C
1	Muffler Mounting Bracket - Left	005-309-BL
1	Muffler Mounting Bracket - Right	005-309-BR
1	Retaining Bracket	005-309-B
1	High Temp Rubber Liner	005-LC
2	Header Collar	005-309-15S
2	Header Flanges	005-309-17
2	X-Ring (half)	005-7-2-2
8	6x20mm Socket Head Cap Screw	005-SH620
8	M6 Split Lock Washer	005-WL6
4	80mm Spring	005-S80
6	8x1.25mm Locking Flange Nut	005-FNL8
1	6x14mm Socket Head Cap Screw	005-SH614
1	6mm Flange Nut	005-FN6
8	8x25mm Socket Head Cap Screw	005-SH825
1	Zip tie	005-ZTB
1	5mm Long Handle Ball end hex key	005-9-18610
1	T20 Torx Screw Wrench	005-9-15820
1	TBR Sticker Kit	015-10212
2	USFS Approved Spark Arrestor (installed)	005-106S

Installation Instructions

13. Loosely attach slip tubes to TBR exhaust canisters using the supplied 6x20mm bolts, washers and X-rings as shown. The shorter tube goes on canister on the passenger side.



14. Install TBR muffler assemblies to header tubes on both sides and secure in place with supplied 8x25mm bolts with lock nuts to mounting bracket.



15. Tighten X-ring bolts.



16. Replace panel and seats.
17. Double check to make sure that all hardware is securely tightened and re-check hardware after every 10 hours.
18. Before you run the quad, 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 quad and enjoy. It is normal for some white smoke to appear the first time you start the quad. 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 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.