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2011 Polaris RANGER RZR 800

V.A.L.E.™ Triple Full Exhaust System with M-7 Aluminum Canister
Part # 005-3010106TV



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.**

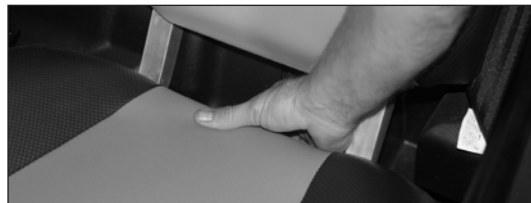
Warranty

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 rear bed assembly:
- Remove the seats.



- Remove the screws (4) behind the seats.



- Remove the screws (4) around the tail pipe.



- Remove the bolts (4) in the bed and 2 tiedown hooks.



- Remove 3 screws and 1 push pin per side.



- Unplug lights from wire harness (1) under drivers side of bed.



- Carefully lift bed assembly off.

3. Remove OEM muffler and mid-pipe (you may need to temporarily remove heat shield and bed rest):
- Loosen OEM clamp.



- Remove header joint springs.
- Remove mid-pipe tension springs.



- Remove mid-pipe.
- Remove muffler assembly.





Absolute Top Level®

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Installation Instructions

4. Remove OEM header assembly.



5. Remove OEM heatshield from header, reinstall on TBR header using supplied 6x12mm cap screws and washers.

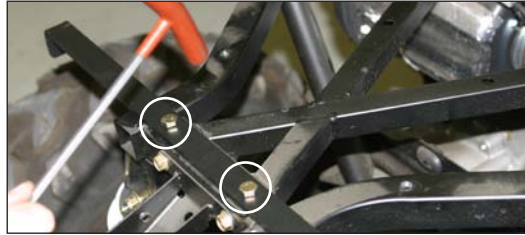


6. Attach the hanger bracket to the TBR center muffler using the 4 (four) 6x14mm socket head cap screws and split lock washers provided.



Installation Instructions

7. Remove rear frame bolts/nuts to install muffler stabilizer mount on top of frame rail and center muffler with mounting bracket attached under frame rail. The stock hardware is re-used.



8. Install TBR header to cylinder head using the supplied header gasket (if the stock gasket is un-damaged you may use that instead) and OEM mounting bolts at header flange.



9. Locate slip-fit joint exhaust pipes and attach with supplied springs right side slip tube marked "R" to triple collector marked "R" and the same with "L" to "L" and "C" to "C". The left side exhaust pipe uses OEM tension stop(remove from OEM exhaust and install on TBR).



10. Mount supplied muffler mounting brackets to bed support using the supplied 8x35mm socket head cap screws and lock washers provided, leave loose for now.





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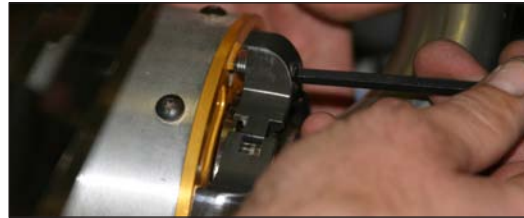
Qty.	Description	Part Number
1	Muffer Canister Left	005-279-206ML
1	Muffer Canister Center	005-275-206MC
1	Muffer Canister Right	005-279-206MR
1	Header Kit	005-30101HK
1	HARDWARE KIT	005-301-3C
6	X-Ring (half)	005-7-2-3
16	6x20mm Socket Head Cap Screw	005-SH620
16	M6 Split Lock Washer	005-WL6
4	80mm Hook Spring	005-S80
1	Header Gasket	005-275G
2	RZR Billet Muffer Mounting Bracket	005-275-21B
2	RZR Billet Muffer Mounting Lower Bracket	005-275-21BU
1	RZR Center Muffer Support Bracket	005-275B2
1	RZR Hanging Support Bracket	005-275B
2	8x1.25mm Flange Nut	005-FNL8
4	M8 Lock Washers	005-WL8
3	6x12mm Socket Head Cap Screw	005-SH612
3	6mm Flat Washer OD 18mm	005-WF6-18
4	8x35mm Socket Head Cap Screw	005-SH835
2	8x45mm Socket Head Cap Screw	006-SH845
1	Permatex Thread Lock	031-P09179
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
3	USFS Approved Spark Arrestor (installed)	005-106S
3	P1X Powertip (installed)	005-P1X

Installation Instructions

- Attach muffler to muffler bracket using the supplied 8x45mm socket head cap screws with lock nuts, leave loose for now.



- Attach TBR muffler to their exhaust pipes using the supplied 6x20mm socket head cap screws and lock washers with thread locker using the supplied 2pc. X-Ring, leave loose for now.



- Make any adjustments to exhaust pipes if needed by rotation of triple collector. Install supplied tension springs on left and right side exhaust pipes. Left side uses OEM spring and right uses supplied spring.



- Tighten X-ring bolts. Tighten muffler mounting bolts on all 3 mufflers.



- Re-install bed assembly.
- Tighten muffler mounting bracket bolts, and billet muffler mounting bracket.



- Re-install seats.
- Double check to make sure that all hardware is securely tightened and re-check hardware after every 10 hours.
- 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.