



V.A.L.E.
VARIABLE AXIS LOCKING EXHAUST

2008-10 Can-Am
SPYDER 990

V.A.L.E.™ Slip-on Dual Exhaust System with M-2 Canister
Part # 005-2290406D / 005-2290407D / 005-2290408D



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.

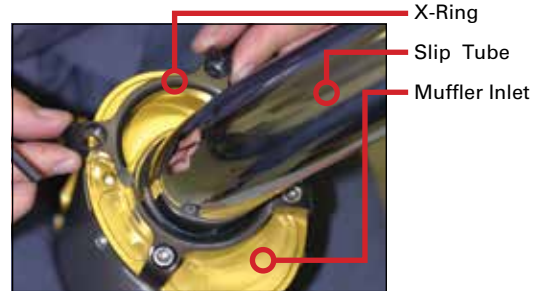
***This product has not been tested with all available accessories and some items may cause excessive heat. Excessive heat may cause damage to your vehicle. Two Brothers Racing will not be responsible for damaged parts.*

Installation Instructions

1. Make sure the bike is completely cool before starting the installation. Make sure the bikes parking brake is set.
2. Remove OEM Muffler assembly.
3. Remove OEM Gasket.



4. Install slip-on tube to TBR muffler using the 6x14mm socket head cap screws and lock washers provided, leave loose for now.



V.A.L.E.™ Assembly Detail

5. Place TBR spacer inside of mounting bracket.



6. Install mounting bracket to both exhaust cans using the provided bolts, 8x20mm on bottom and 10x75mm on top, leave loose for now.



7. Place the supplied barrel clamp over the tube before install.



8. Install TBR muffler assembly to machine.



9. Tighten muffler mounting bolts after alignment is correct. This step is easier if a second person can hold the mufflers in position while you tighten them down, the top bolt uses the OEM nut.





**2008-10 Can-Am
SPYDER 990**

V.A.L.E.™ Slip-on Dual Exhaust System with M-2 Canister
Part # 005-2290406D / 005-2290407D / 005-2290408D

(Continued from page 1)

- 10. Tighten the 8 6x14mm socket head cap screws.
- 11. Attach spring to spring clip.



- 12. Tighten barrel clamp.



- 13. Before you run the bike, 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 bike 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. 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.

Repack Carbon Fiber and Titanium mufflers every 10 hours, repack Aluminum mufflers every 15 hours. There is no warranty provided for improper care and maintenance of exhaust systems.



Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Slip-On Tube	005-22901D
1	HARDWARE KIT	005-229-3D
2	X-Ring Kit	005-7-2-3KIT
1	10x75mm Socket Head Cap Screw	005-SH1075
1	8x20mm Socket Head Cap Screw	005-SH820
1	8mm Flange Nut	005-FN8
1	Spyder Spacer	005-229-S1
1	Spyder Bracket	005-229-B
1	Barrel Clamp	005-27-74M
1	80mm Spring	005-S80
1	TBR Sticker Kit	015-10212

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 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.

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.