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Suzuki HAYABUSA

V.A.L.E.™ Complete Exhaust System with M-2 Canister
 Part # 005-193010xV



Parts List

Qty.	Description	Part Number
1	15" Muffler Canister	Varies
1	4-2-1 Slip-on Tube	005-19301S
1	4-2-1 Header Assembly	005-19301HK
1	O2 Adaptor Kit	005-92-22KIT
1	HARDWARE KIT	005-193-3C
1	X-Ring Kit Black	005-7-2-3KIT
1	8x55mm Socket Head Flat Bolt (Black)	005-SHF855B
1	8x16mm Flange Bolt	005-FB816
1	Barrel Clamp	005-27-66MSH
1	Sticker Kit	015-10212

IMPORTANT - PLEASE READ CAREFULLY

Two Brothers Racing products are intended for closed course competition purposes only. 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 bike is completely cool before starting the installation and the bike is secure on a centerstand or ideally a service lift.
2. Remove rear lower cowling.



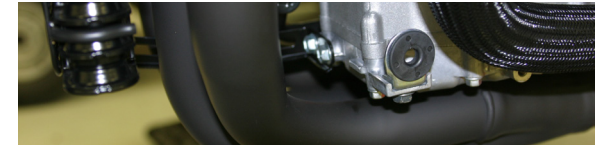
3. Remove OEM mufflers.



4. Remove cowling from both the left and right sides.



5. Remove radiator braces.



6. Remove O2 sensor from OEM head pipe.



7. Remove OEM head pipe. (Loosen radiator from frame for more clearance to help remove head pipe bolts.)
 *We also recommend placing a rag to cover the brake hose mount on the front fender to keep from rubbing on the radiator.





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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.

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

8. The horn should also be removed for more radiator clearance.



9. Install the TBR head pipes. Use the OEM gasket between the head pipes and cylinder head.



10. Install the TBR V.A.L.E.™ muffler assembly to slip-on tube using the 4 6x14mm S.H.C.S. and lock washers provided. Leave loose for now.



11. Attach the slip-on tube and muffler assembly to motorcycle using the 8x50 S.H. flat bolt provided with the OEM nut.



12. Align muffler assembly and tighten all hardware. (Head bolts, V.A.L.E.™ bolts, muffler bolt, and collector mounting bolts.)



13. Install O2 sensor.



14. Install all bodywork and check for clearance between all exhaust parts and plastics. Make adjustments if necessary so that nothing is touching.

15. Double check your work.

16. 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. Also, remove any plastic film from the name badge(s) and/or canister clamp(s). 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.

