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2003-08 Honda ST1300

V.A.L.E.™ DUAL Slip-on Exhaust System

Part # 005-620406DM / 005-620407DM / 005-620408DM / 005-620419DM / 005-620420DM



Parts List

Qty.	Description	Part Number
1	ST1300 M-2/5 Muffler Canister (Right)	Varies
1	ST1300 M-2/5 Muffler Canister (Left)	Varies
2	Muffler Clamps	Varies
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Short Hex Key	005-9-15820

IMPORTANT - PLEASE READ CAREFULLY

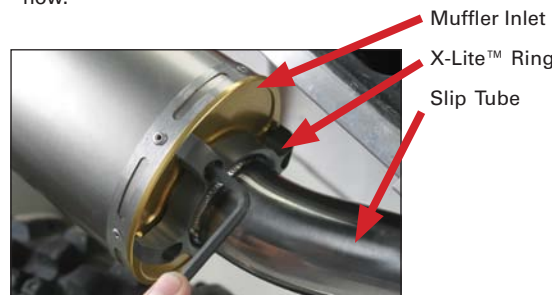
We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the vehicle and exhaust system are completely cool before starting the installation. Also, make sure the vehicle 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 bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a rear service stand.
2. Loosen the clamp that holds the muffler connector pipe to the headers under the bike. Repeat on opposite side.
3. Remove the hardware that holds the stock muffler at the muffler bracket. Take off the muffler. Repeat on opposite side.
4. Attach the slip-tubes with the X-Lite Rings™ to the mufflers using the 8 (four) 6x14mm socket head cap screws and split lock washers provided. Leave loose for now.



V.A.L.E.™ Assembly Detail

5. Slide the S-bend connector pipe into the end of the headers, re-using the clamp and gasket to secure it to the headers. Leave loose for now. Repeat on opposite side.



6. Carefully slide the muffler clamp over the muffler. (Note: The stainless steel canister clamp and the name badge on the canister come from the factory with a clear plastic protective film. Please remove this film before operation.) You may need to twist and turn the S-bend a little to get it in the right place. Locate both tabs of the canister clamp outside of the muffler bracket. Use the stock bolt and nut to secure it. Leave loose for now. Repeat on opposite side.
7. Make sure everything is aligned and tighten all hardware. Including the 8 (eight) 6x14mm S.H.C.S. in the V.A.L.E.™ assembly and the barrel clamps.



8. 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.

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.

005-620406DM


Qty.	Description	Part Number
1	ST1300 M-2 Muffer Canister (Right)	005-206MR
1	ST1300 M-2 Muffer Canister (Left)	005-206MR
2	Muffer Clamps	005-2C
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20Torx Short Hex Key	005-9-15820

005-620407DM


Qty.	Description	Part Number
1	ST1300 M-2 Muffer Canister (Right)	005-207MR
1	ST1300 M-2 Muffer Canister (Left)	005-207MR
2	Muffer Clamps	005-2C1
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20Torx Short Hex Key	005-9-15820

005-620408DM


Qty.	Description	Part Number
1	ST1300 M-2 Muffer Canister (Right)	005-208MR
1	ST1300 M-2 Muffer Canister (Left)	005-208MR
2	Muffer Clamps	005-2C2
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20Torx Short Hex Key	005-9-15820

005-620419DM


Qty.	Description	Part Number
1	ST1300 M-5 Muffer Canister (Right)	005-807MR
1	ST1300 M-5 Muffer Canister (Left)	005-807MR
2	Muffer Clamps	005-5C
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20Torx Short Hex Key	005-9-15820

005-620420DM


Qty.	Description	Part Number
1	ST1300 M-5 Muffer Canister (Right)	005-808MR
1	ST1300 M-5 Muffer Canister (Left)	005-808MR
2	Muffer Clamps	005-5C1
1	S-Bend Tube Left	005-6201L
1	S-Bend Tube Right	005-6201R
1	HARDWARE KIT	005-62-3
8	6x14mm Socket Head Cap Screws	005-SH614
8	6mm Split Lock Washers	005-WL6
2	V.A.L.E.™ X-Lite™ Rings	005-7-2-2
1	5mm Long Handle Ball End Hex Key	005-9-18610
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