

**2007-10 Honda
CBR600RR**

V.A.L.E.™ Full Exhaust System with M-2 Canister
Part # 005-1750106V / 005-1750107V / 005-1750108V



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. Be sure to save all stock components for possible use later.

This product was designed for use with no aftermarket or O.E.M. accessories installed. Any modifications or installation of aftermarket accessories may cause excessive heat and could result in the damage of the vehicle. Two Brothers Racing will not be responsible for damaged parts due to heat related issues.

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. Remove passenger seat and main seat.



3. Remove bolts from rear cowlings and slide cowlings back.



4. Disconnect modular connector on the left side of the bike leading to the tail light assembly.



5. Remove the tail light assembly bolts and slip the tail light assembly back and remove.



6. Remove the side bolt and one top bolt securing the heat shield.



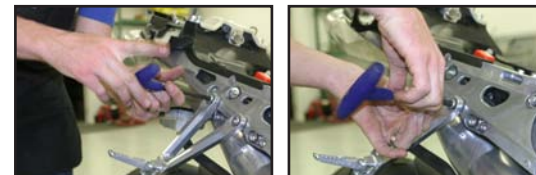
7. Remove right side plastic cover from over exhaust tube heat shield.



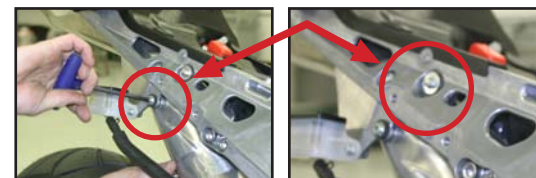
8. Remove bolt securing lower end of exhaust tube heat shield (above driver's right footpeg mount).



9. Remove right side passenger footpeg.

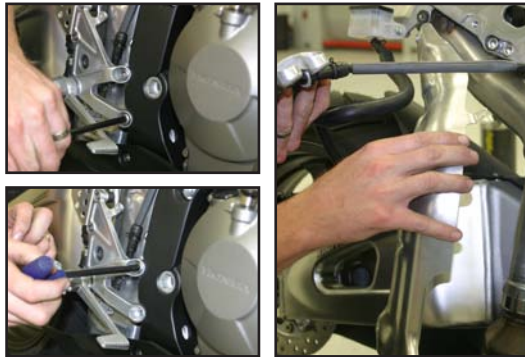


10. Remove upper exhaust tube heat shield mounting bolts. This bolt will not be used with the TBR exhaust.



Installation Instructions Continued

11. Remove right side driver's footpeg bolts and carefully remove the exhaust tube heat shield.



12. Loosen the OEM barrel clamp connecting the exhaust tube and header.



13. Carefully remove muffler and exhaust tube with heatshield.



14. Remove left and right side fairings.



15. Remove servo cables from header. You can completely remove cables from upper servo also but you need to keep servo plugged in.



16. Remove header assembly.



17. Loosely install TBR header assembly using the OEM exhaust gasket between header and engine. Attach using the OEM nuts.



18. Install mid-pipe section using the supplied barrel clamp and 8mm flange bolt to secure in place. Tighten header nuts then mid-pipe bolt and clamp.

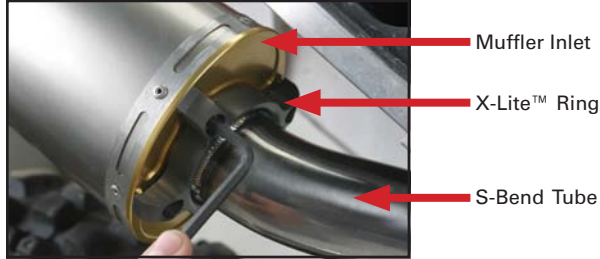


19. Re-install left and right fairings. Confirm adequate clearance between fairings and exhaust tubing. Make adjustments if necessary.



20. Assemble the V.A.L.E.™ unit by slipping the S-bend tube through the X-Lite™ ring. Use the 4 (four) 6 x 14mm bolts and split lock washers to loosely attach the X-Lite™ ring to muffler inlet.

V.A.L.E.™ Assembly Detail



21. Attach the X-Lite™ V.A.L.E.™ assembly to the muffler canister using the 4 (four) 6mm x 14mm socket head cap screws. Leave loose for now.



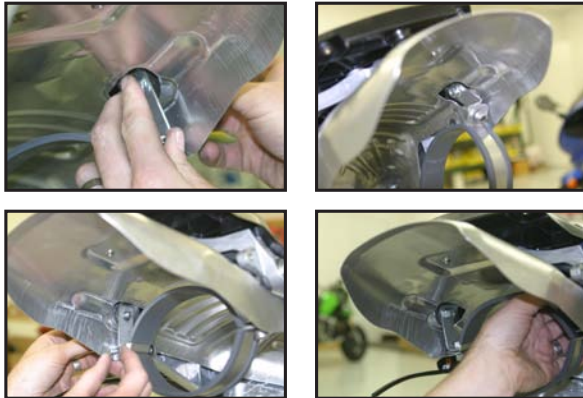
22. Apply a bead of high-temp sealant to the inside of the lower end of the exhaust tube.



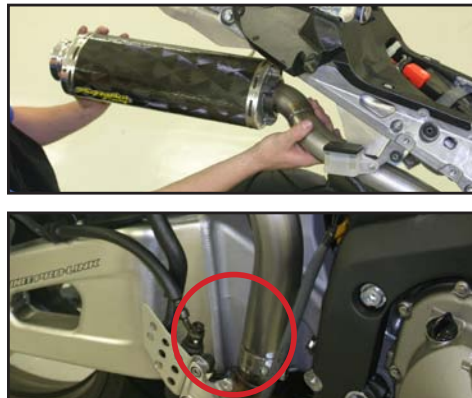
23. Assemble the 2 (two) halves of the muffler clamp and "L" brackets as shown below using the supplied 8mm flange nuts and 8mm socket head cap screws.



24. Re-install heat shield and attach muffler clamp assembly under the heat shield using the 2 OEM bolts and 6mm nuts.



25. Remove upper & lower half of muffler clamp assembly and carefully slide muffler assembly into place making sure that exhaust tube & barrel clamp slip over header.



26. Slip upper & lower halves of muffler clamp onto muffler canister and attach to "L" brackets using supplied 8mm nuts and 8mm bolts.



27. Making sure that the muffler canister is aligned correctly, securely tighten the 8mm bolts connecting the muffler clamp halves to the "L" brackets





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



Parts List

Qty.	Description	Part Number
1	M-2 Muffler Canister	Varies
1	Slip-On Tube	005-17501S
1	Mid-Pipe	005-17501H2
1	Header Kit	005-17501H
1	HARDWARE KIT	005-175-3C
1	CBR600RR Muffler Canister Clamp	005-2C-6A
1	X-Lite™ V.A.L.E.™ Retaining Ring	005-7-2-2
2	Barrel Clamp	005-27-63MSH
2	"L" Brackets	005-175B
2	6mm Flange Nuts	005-FN6
2	8mm Flange Nuts	005-FN8
1	8 x 16mm Flange Bolt	005-FB816
2	8 x 16mm Socket Head Cap Screws	005-SH816
4	6 x 20mm Socket Head Cap Screws	005-SH620
4	6mm Split Lock Washer	005-WL6
1	5mm Long Handle Ball End Hex Key	005-9-18610
1	T20 Torx Hex Key	005-9-15820
1	Permatex Ultra Black Gasket Maker	031-P22072
1	TBR Sticker Kit	015-10212

Installation Instructions Continued

28. Securely tighten barrel clamp.



29. Securely tighten the 6 x 14mm socket head cap screws in the X-Lite™ V.A.L.E.™ assembly. Check for clearance of exhaust tube & muffler to make sure they do not make contact with anything. Adjust if necessary.



30. Replace exhaust tube heat shield, driver's footpeg, plastics over exhaust tube heat shield and passenger footpeg.



31. Replace reflectors and tail light assembly, reconnect wiring and replace rear cowling, passenger & driver seats.



32. 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.